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1934

FARM and GARDEN GUIDE

Seeds

Sprayers

Spray Materials

Fertilizers

Garden Tools

Poultry Supplies

Dairy and Horse Feeds

Salt for all Purposes

VEGETABLE
SEED TRIALS
HORTICULTURE

THE PHILIPS-THOMPSON COMPANY
FOURTH AND FRENCH STS.
WILMINGTON, DELAWARE

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To Our Customers:

It is our desire to execute orders with the best of attention and to serve our patrons promptly. At certain "rush" seasons delays are sometimes unavoidable, and this is especially true in the seed and implement department during the Spring months, particularly on Wednesdays and Saturdays—"market days." At such times we cannot undertake to fill general orders for seeds right over the counter, and our customers will save themselves many annoying delays if they will go through our price list and, as far as possible, make up their general order of seeds and put it into our hands at least a week before delivery is wanted. In this way the order will receive more careful attention, be packed and marked for delivery to the customer at such time as he may specify. ORDER EARLY.

NON-WARRANTY. While we use great care to procure seeds of high germination and purity, and those true to name, there are so many conditions of planting and growing beyond our control, we give no warranty, express or implied, as to description, quality, or productiveness of the seeds we offer and cannot be responsible in any way for results. If the purchaser is not willing to accept them under these conditions they should be returned immediately in the original package.

Garden Seeds for 1934

PARCEL POST. No extra charge for postage on small Vegetable Seeds at prices in this List by the ounce, quarter-pound and pound; but for Peas, Beans, Corn, Onion Sets and other goods add 10 cents for the first pound and 1 cent for each additional pound, or 15 cents for the first quart and 2 cents for each additional quart, to cover cost of mailing.

BEANS. DWARF OR BUSH VARIETIES

A succession of sowings two or three weeks apart from the latter part of April to September will give a continuous supply during the season. Sow in drills, spacing the seeds 2 inches apart and 2 inches deep with rows 18 to 24 inches apart. One quart of seed to about 125 feet of row.

| | Qt. | Pk. | Bu. |
|---|--------|--------|-----|
| Prolific Black Wax. Early, stringless and very productive. Pod is round, fleshy and brittle. Color a clear yellow. Excellent quality. Seed is black. | \$0.35 | \$2.50 | |
| Genesee Kidney Wax. An early, round-podded, stringless variety of highest quality. Pod light yellow and fleshy. Seed is white with dark spot around eye | .35 | 2.50 | |
| Golden Wax. The best and most popular of the oval-podded type. Pod is bright yellow, fleshy and of good quality; seed is white with a reddish-brown mottle | .35 | 2.50 | |
| Extra Early Stringless Valentine. An improved type of the old, popular Red Valentine. Round green pod, stringless, good quality and a prolific bearer | .40 | 2.80 | |
| Genesee Extra Early. Round, green pod. Tender, stringless, meaty and of excellent quality. Color of seed, dark brown | .35 | 2.50 | |
| Giant Snapshot. Green pod, long, slender, round and stringless; vigorous growing and a good producer. Very popular alike with trucker and home gardener | .35 | 2.50 | |
| Boston Navy or Pea Bean. Small, white, oval bean that is allowed to mature in the pod as for seed, then hulled. Used for soup and for baking | .30 | 2.00 | |
| Large White Marrow. Similar to the Pea Bean in shape but is much larger; harvested in the same manner as the smaller bean. This is the best bean for baking..... | .30 | 2.00 | |

LIMA BEANS

These are more sensitive to cold than the snap-pod varieties listed above and ordinarily should not be planted until May when the ground is warmer and frost period has passed. Hills should be about 3 feet apart each way, enriched with manure or fertilizer. Sow 6 beans to a hill, thinning out to 3 or 4 plants. For the tall vine type use poles 8 or 10 ft. long set at least 18 inches deep before planting seed. Pinch off the end of the vine when it has attained the height of the pole.

| | Qt. | Pk. | Bu. |
|---|--------|--------|-----|
| Fordhook Bush. The most popular of the bush type. Pods are about 4 inches long, grow in clusters, each pod yielding 4 or 5 plump beans of large size and exceptional quality | \$0.60 | \$3.80 | |
| New Century Bush. The best strain of the dwarf flat Limas. Pods 5 inches or more in length, each containing 4 or 5 beans of excellent quality | .50 | 3.60 | |
| Genesee Early Evergreen. (Pole variety). Similar to the old Jersey Lima. Pods are 4 or 5 inches long, shelling out 4 or 5 broad, meaty beans of delicious flavor. Ready for the table in about 7 weeks | .50 | 3.60 | |
| King of the Garden. (Pole variety). Pods 4 or 5 inches long, usually containing four broad, flat beans. It still continues as a popular variety with a great many gardeners | .50 | 3.60 | |
| Dreer's Improved. (Pole variety). The most popular, especially with the market gardener. Pods 3½ to 4 inches long, with 4 or 5 medium size, thick beans. Vigorous and productive | .60 | 3.80 | |

SNAP-POD POLE BEAN

| | |
|---|-----|
| Kentucky Wonder. The most popular of the pole type of snap-bean. Pods are 8 or 9 inches long, green, slender, nearly round and curved. Tender, good quality and productive | .45 |
|---|-----|

CEDAR BEAN POLES, Listed on Page 19

PEAS. One quart to 100 ft. of row

The ground for Peas should be enriched with plenty of manure or commercial fertilizer. Early varieties may be sown in March as soon as the ground can be properly worked; successive plantings may be made at two-week intervals up to the end of August, although plantings after the middle of May are not likely to produce as well on account of the hot weather. Seed should be covered to a depth of 2 inches, with rows from 2 to 4 feet apart, according to type of vine and method of cultivation used. Taller varieties must have brush, poles or other type of support.

EXTRA EARLY VARIETIES

| | Qt. | Pk. | Bu. |
|---|--------|--------|-----|
| Genesee Extra Early. A very early and productive variety. Vigorous foliage bearing large, broad, dark green pods containing 6 or 7 light-green peas. Very profitable for the market gardener. Height, 3 ft. The seed is smooth, varying in color from cream to green | \$0.30 | \$2.00 | |
| Early Bird. Exceptionally early, hardy and productive. Pods are dark green, 4 inches long and well filled with 7 or 8 peas. Height 2 ft. Very desirable for the home or the market-gardener. Seed is semi-wrinkled, of a bluish green color..... | .30 | 2.00 | |

SECOND-EARLY VARIETIES

| | (Crop Failure) |
|---|----------------|
| Excelsior. A well-known early dwarf variety. Pods are light green, 3 inches long and well filled with 5 or 6 peas of very good quality. Height, 18 inches | .30 2.00 |
| Genesee Gem. A dwarf growing variety bearing light-green pods containing 6 to 8 peas of very good quality. Has long been a popular variety with some gardeners. Height, 18 inches | .30 2.00 |
| Peter Pan. One of the best early dwarf varieties. Heavy, dark green foliage; pods 4 inches long, broad and carrying 6 or 8 dark green peas of excellent quality. Height, 20 inches | .30 2.00 |
| Laxtonian. A pea of exceptional quality. Plant and pods are similar to Peter Pan, but a week to 10 days later in coming to the table. Height, 2 ft. | .30 2.00 |
| Gradus. Very popular with the gardener desiring a taller growing vine. Pods pointed, 4 inches long and containing 6 or 8 delicious sweet peas. Very productive. Height, 2½ ft. | .30 2.00 |
| Thomas Laxton. An excellent market gardener's variety. Pods are a medium green color, 3½ inches long, almost round and blunt ended. A little earlier than Gradus. Height, 3 ft. | .30 2.00 |

MAIN CROP VARIETIES

| | | |
|---|-----|------|
| Dwarf Telephone. One of the best of the dwarf-growing type. A vigorous grower producing broad, straight pods, 4 inches long, containing 7 or 8 peas of good quality. Height, 2 ft. | .30 | 2.00 |
| Genesee Champion. Heavy, dark-green foliage, 2½ ft. high. Pods dark green, 4 inches long containing 7 or 8 large, dark green peas of excellent quality | .30 | 2.00 |
| Improved Advancer. A well-known variety that is popular with some gardeners. Dark-green heavy foliage, 2½ ft. high and very productive. Pods 3 inches long, round and with blunt end. Good quality. | .30 | 2.00 |
| Tall Telephone. A vigorous grower, with dark green foliage. Broad pointed pods 4½ inches long, with 7 or 8 large medium-green peas of excellent quality. Height, 4 ft. | .30 | 2.00 |

SUGAR CORN. One quart to 200 hills; 1 peck per acre

Varieties designated as "Extra Early" may be planted from middle of April to first of May, depending on the weather, and followed by other varieties at intervals of two or three weeks up to about August 1. Plant in hills about 2 ft. apart, with 3 ft. between the rows. Drop 5 or 6 grains to a hill and cover an inch or two deep; thin out to 3 plants to a hill.

| | Qt. | Pk. | Bu. |
|---|--------|--------|-----|
| Genesee Extra Early. Stalks attain a height of 5 or 6 ft., with one or two ears each. The ears are 7 or 8 inches long with 16 rows of sweet, white, wedge-shaped grains..... | \$0.25 | \$1.60 | |
| Kendel's Early Giant. A second-early corn with grain and ear similar to Genesee Extra Early, but fodder is larger | .25 | 1.60 | |
| Golden Bantam. A very early corn. The ears are small but well filled with a golden-yellow grain that is very sweet and of a distinctive flavor | .25 | 1.60 | |
| Golden Giant. Similar to Golden Bantam, but the ears are larger and a little later coming to the table. An excellent type of yellow sweet corn for the market gardener.... | .25 | 1.60 | |
| Howling Mob. A medium early variety with a large ear; very productive. A white grain of excellent quality | .25 | 1.60 | |
| Country Gentleman. (Shoe Peg). A main-crop variety. Bears a long, slender cob with deep, narrow white grains without any row formation. Excellent quality and popular with the home gardener | .25 | 1.60 | |
| Improved Evergreen. A development from the well-known Stowell's Evergreen, the ear being larger and the grain whiter. One of the best sellers of the maincrop varieties.. | .25 | 1.60 | |
| Stowell's Evergreen. Probably the best known sweet corn. Ears are 8 inches long; slender cob with 16 to 18 rows of deep, sweet grains | .20 | 1.40 | |

ASPARAGUS. One ounce to 50 ft. of row (for about 200 plants)

When roots are 2 years old move in early Spring to a permanent bed.

| | Oz. | 1/4 lb. | lb. |
|---|--------|---------|--------|
| Giant Argenteuil. Large, thick, white stalk with purplish-green pointed head. Early and very productive | \$0.10 | \$0.25 | \$0.70 |
| Barr's Mammoth. Heavy, stout spears that retain a green color after being cooked..... | .10 | .25 | .70 |
| Mary Washington. Pedigreed. The highest development of this rust-resistant type. Long, thick stalks with tightly folded tips. Early | .10 | .30 | 1.00 |

ASPARAGUS ROOTS. We are prepared to furnish strong roots of the above varieties from nurseries. It is advisable to determine the varieties and the quantities that will be needed and place the order very early in the Spring, stipulating the approximate date delivery is wanted. Prices quoted on application.

BEETS. FOR TABLE. One ounce for 75 feet of row; 6 lbs. per acre

Cover seed to a depth of an inch in rows 18 inches apart. Early sowing may be made as soon as the ground is in good tillable condition, and at intervals of two or three weeks. Thin out the young plants to stand 3 or 4 inches apart; ready for table in about 7 weeks. For winter beets, seed should be sown by the first week of August.

| | Oz. | 1/4 lb. | lb. |
|--|--------|---------|--------|
| Early Wonder. Globe shape; sweet and tender. Flesh a deep blood-red with slight zoning. Especially recommended for the home garden. One of the earliest market beets. | \$0.10 | \$0.25 | \$0.75 |
| Extra Early Eclipse. A small beet, round or slightly conical; flesh a bright red with pink zoning. Excellent quality | .10 | .25 | .75 |
| Crosby Egyptian. Early. Bulb is somewhat flattened. Flesh is dark red with zoning of lighter shade. One of the popular market gardener varieties | .10 | .25 | .75 |
| Detroit Dark Red. An excellent main crop variety for the home or market gardener. Roots globe shaped; very dark skin with flesh a solid deep red. Excellent for canning. | .10 | .25 | .75 |
| Bassano. Bulbs are flat top and bottom. Flesh light pink with large white zones; very sweet and tender | .10 | .25 | .75 |
| Crimson Globe. Of medium size and with very small tap root. Flesh dark red, sweet and tender | .10 | .25 | .75 |
| Half-Long Blood. A conical shaped beet. Color blood red. Excellent for late planting..... | .10 | .25 | .75 |
| SWISS CHARD. (Lucullus). While classed with the Beet family, the growth is quite different, the tops instead of the root being used. The crumpled leaf is used as a salad, while the stalk may be cooked and served like asparagus. Successive growths will follow each cutting of the tops | .10 | .25 | .75 |

STOCK BEETS. Six pounds of seed per acre

Extensively used for cattle; nutritious, and increases the supply of milk. Sow in drills 2 ft. apart, allowing several inches between seeds; after strong growth is established, thin out to 12 or 15 inches to permit roots to attain their maximum growth.

| | lb. | 10 lbs. |
|---|--------|---------|
| Genesee Improved Sugar. Large, white fleshed, sugary. Skin below ground a pinkish color and a bronze tinge on crown | \$0.40 | \$3.60 |
| Golden Giant Mangel. Roots golden yellow; cylindrical in shape. Heavy yielder..... | .40 | 3.60 |
| Red Giant Mangel. Large, cylindrical shaped, deep red roots with a considerable portion growing above ground. Very productive | .40 | 3.60 |

BROCCOLI. One ounce for about 2,000 plants

Seed may be sown in hotbed in early Spring or in open ground about the first of May. When leaves are 2 or 3 inches wide, transplant, spacing plants 2 ft. apart each way. Remove head when it has attained a fair size; from the remaining stalk there will develop numerous small loose heads similar to Cauliflower; these are prepared and served in same way as Asparagus.

| | Oz. | 1/4 lb. |
|-----------------------------------|--------|---------|
| Calabrese, or Italian Green | \$0.50 | \$1.50 |

BRUSSELS SPROUTS. One ounce to 2,000 plants

| | | |
|---|--------|-------------------|
| Cultivate same as Broccoli or Cabbage. | Oz. | $\frac{1}{4}$ lb. |
| Improved Half-Dwarf. An early, dependable variety | \$0.25 | \$0.75 |

CABBAGE. One ounce to 2,000 plants

Sow early varieties in hotbeds January to March; as soon as the weather will permit, transplant into open ground. 18 inches between plants in rows spaced 2 ft apart. Seed may be sown in open ground after the middle of April.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Early Jersey Wakefield. The popular extra early cabbage. A cone shaped, solid head. Our seed of this variety is from a selected strain | \$0.20 | \$0.50 | \$1.60 |
| Charleston, or Large Wakefield. Same shape as the Jersey Wakefield, but a larger head maturing 10 days to 2 weeks later than the earlier type | .20 | .50 | 1.60 |
| Early Flat Dutch. A second-early variety. Medium sized round head with flattened crown; short stem | .20 | .50 | 1.60 |
| Early Summer. Similar in shape to Flat Dutch. Heads of medium size, compact and solid.... | .20 | .50 | 1.60 |
| Copenhagen Market. A very popular and dependable variety. Heads are round, solid and of good size | .20 | .60 | 2.00 |
| Surehead. Large, round, hard head; fine grained. Good keeper | .20 | .50 | 1.60 |
| Danish Ballhead. A medium size, solid, round head on a short stem. Excellent as a Winter keeper | .20 | .60 | 1.80 |
| Late Flat Dutch. A selected, hardy strain. Large, solid heads; good keeper. Popular with both home and market gardener | .20 | .50 | 1.60 |
| Late Drumhead. A large, broad head with flattened crown. Very solid and a good keeper... | .20 | .50 | 1.60 |
| Prizewinner Savoy. Heads are compact, very firm and intensely savoyed. A specially developed strain of this type | .25 | .75 | 2.40 |

CARROTS. One ounce to 100 ft. of row; 3 lbs. per acre

In the garden sow in rows 18 inches apart, covering seed $\frac{1}{2}$ to $\frac{3}{4}$ of an inch; thin out plants to about 4 inches. In the field, have rows 3 to $3\frac{1}{2}$ ft. apart to permit cultivating by horse.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|--|--------|-------------------|--------|
| Early Half Long Coreless. A smooth, orange colored root 6 to 8 inches long, nearly cylindrical. Almost coreless and of excellent quality | \$0.10 | \$0.30 | \$0.90 |
| Early Scarlet Horn. Excellent for the home garden. Root about 3 inches long with blunt end; color, orange-red | .10 | .30 | .90 |
| Danvers Half Long. Especially popular with market gardeners. Roots 6 to 8 inches long, tapering to a blunt end; tender and very good quality. Deep orange color..... | .10 | .30 | .80 |
| Improved Long Orange. Roots 10 to 12 inches long tapering uniformly to a point. Deep orange color | .10 | .30 | .80 |
| Oxheart or Guerande. A thick, blunt variety about 4 inches long. Bright orange color, fine grain and sweet | .10 | .30 | .80 |
| Large White Belgian. Grown exclusively for stock feeding. Roots very thick, 14 to 16 inches long, several inches of which grow above the ground. Below ground the skin is white, green above | .20 | .65 | |

CAULIFLOWER. An ounce of seed for 2,000 plants

For early plants seed may be sown in hotbeds from February on, transplanting into cold frames and then into open ground when past the frost period, setting plants about $2\frac{1}{2}$ feet apart each way. When head has formed the leaves should be drawn together and tied at top in order to bleach it. Plants should have rich, loamy soil and be well watered in dry weather, especially when head is developing.

| | $\frac{1}{4}$ Pkt. | Pkt. | Oz. |
|---|--------------------|--------|--------|
| Early Snowball. Heads early, medium size, compact and solid; bleaches very white. Very fine quality | \$0.10 | \$0.25 | \$1.25 |

CELERY. An ounce to 50 ft. of row, producing 3,000 or 4,000 plants

Start seed in early Spring in finely prepared bed, covering lightly; keep soil moistened. When plants are about 3 inches high reset 4 inches apart in another bed, and when about 8 inches high transplant into trenches, drawing a little more earth to the stalk occasionally during the summer when the soil is dry. Trenching for winter use should not be started until late Fall.

| | Oz. | 1/4 lb. | lb. |
|---|--------|---------|--------|
| Improved White Plume. A popular early variety. Not recommended for late fall or winter. Leaves are light green; stalk is tender, sweet, and blanches readily to a silvery whiteness | \$0.25 | \$0.70 | \$2.25 |
| Easy Blanching. An excellent Fall and Winter variety for the home or commercial garden. Thick, solid stalks, crisp, and fine flavor. Bleaches white and is highly blight-resistant | .30 | .90 | 3.25 |
| Golden Self Blanching. The finest of the early varieties. Plants compact and stocky, with yellowish-green foliage. Stalks are solid and a fine nutty flavor; blanches a golden-yellow color | .35 | 1.10 | 3.80 |
| Winter Queen. Broad, light green stalks of medium height; solid, crisp and good quality. Blanches well and is a good keeper | .25 | .70 | 2.25 |
| Giant Paschal. A very popular variety for Winter use. Short, thick, broad stalks with dark green leaves. Blanches yellowish-white | .25 | .70 | 2.00 |
| Celery Seed, for flavoring purposes only (not for sowing) | .15 | .50 | |

CHARD. (Listed under Table Beets)**CORN SALAD.** An ounce to 30 ft. of row

For Summer use, sow in Spring; for Winter cutting, sow in August or September, covering seed lightly. Protect plants with straw or leaves when cold weather arrives.

| | Oz. | 1/4 lb. |
|---|--------|---------|
| Large Seeded Dutch. A hardy, vigorous grower, with large, round, light green leaves | \$0.15 | \$0.40 |

CUCUMBER. An ounce to 75 hills; 2 lbs. per acre

Prepare hills of rich, loamy soil, 5 or 6 ft. apart each way. In May, with settled warm weather, sow 6 or 8 seeds to a hill and after growth is well established thin out to 3 or 4 of the strongest plants. Start spraying or dusting early to combat the beetles.

| | Oz. | 1/4 lb. | lb. |
|--|--------|---------|--------|
| Early Fortune. Vigorous grower and productive. Dark green fruit 8 or 9 inches long; crisp, firm white flesh with few seeds. Excellent for slicing and a good shipper. Noted for holding its dark green color until nearly ripe | \$0.10 | \$0.30 | \$0.90 |
| Improved White Spine. A selected strain of this popular early variety. Fruit a medium green color, 7 inches long. Flesh white, firm and crisp. Fine for slicing or for pickles | .10 | .30 | .90 |
| Improved Long Green. A well known late variety. Dark green, 10 to 12 inches long and slender, tapering at stem end. Flesh white and firm. May be used for slicing or pickling | .10 | .30 | .90 |
| Green Prolific. A smooth, bright green, thick fruit 5 or 6 inches long. Popular for pickling | .10 | .30 | .90 |
| Genesee Pickle. Excellent pickling type. About 6 inches long, productive and of good color | .10 | .30 | .90 |

EGG PLANT. One ounce to 1,200 plants

Seed should be sown in hotbed and when plant is about an inch high reset 3 inches apart or into 2-inch pots; about June 1st transplant into open ground 3 ft. apart.

| | Oz. | 1/4 lb. |
|---|--------|---------|
| Black Beauty. An early variety producing a very dark purple fruit of good size | \$0.35 | \$1.00 |
| New York Improved. While not as early as Black Beauty, the dark purple fruit is larger. Prolific bearer | .35 | 1.00 |

ENDIVE. One ounce to 2,000 plants

Relished as a salad, especially for Winter use. May also be boiled same as spinach. For early use sow in Spring as soon as frost is out of ground; for Fall and Winter cutting, sow about August. Drill in rows 2 ft. apart and thin out the plants to about 8 inches. When the plant has attained its growth draw the outer leaves together and tie at top; the inner leaves become bleached in the course of three weeks and are then ready for use.

| | Oz. | 1/4 lb. | lb. |
|--|--------|---------|--------|
| Broad Leaved Batavian (Escarolle). Broad, wavy, deep green leaves with midrib almost white. Bleaches easily | \$0.10 | \$0.30 | \$1.00 |
| Improved Green Curled. Bright, dark green crinkled leaves; bleach readily. Desirable for Fall and Winter cutting as it is hardy and vigorous | .10 | .30 | 1.00 |

HERBS

Used for seasoning and flavoring. Sow in Spring of year in shallow drills; thin out the plants to about 4 inch spaces. Gather the plants just before blossoms develop, dry quickly and put in jars or other tight receptacles.

| | Oz. | $\frac{1}{4}$ lb. | Pkt. | Oz. | $\frac{1}{4}$ lb. |
|------------------------|--------|-------------------|----------------------|--------|-------------------|
| Anise | \$0.20 | \$0.60 | Sage | \$0.10 | \$0.30 |
| Caraway | .15 | .30 | Sweet Basil | .10 | .20 |
| Dill | .15 | .30 | Sweet Marjoram | .10 | .25 |
| Fennel, Florence | .15 | .45 | Summer Savory | .10 | .20 |
| Mustard | .10 | .25 | Thyme | .10 | .35 |
| | | | | | 1.25 |

KALE or BORECOLE. One ounce to 2,500 plants

Very hardy and may be used for greens the year round. Sow about May 1st in rows 2 ft. apart; thin out the plants to about 10 inches. Ready for cutting in 7 or 8 weeks. For Winter use sow in September, protecting plants with straw or other litter.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Dwarf Curled Scotch. Long, bright green foliage; finely curled. Very hardy..... | \$0.10 | \$0.25 | \$0.80 |
| Dwarf Siberian (or German Greens). Large, spreading leaves, rather plain in center but cut and frilled at edges. Color a bluish-green | .10 | .25 | .80 |

KOHL-RABI One ounce to 300 ft.

Sow in open ground about April. Thin out plants to 6 inches, and when bulbs are 2 to 2½ inches in diameter they are ready for the table. Cook same as turnips.

| | Oz. | $\frac{1}{4}$ lb. |
|---|--------|-------------------|
| Early White Vienna. Flesh white and tender; excellent quality | \$0.20 | \$0.60 |

LEEK Sow one ounce to 150 ft. of row

When 6 or 8 inches high reset plants in rows to a depth of 4 inches, 6 inches apart and 12 inches between rows. As plant grows draw earth around stalk to bleach it.

| | Oz. | $\frac{1}{4}$ lb. |
|--|--------|-------------------|
| American Flag. Broad leaved; strong grower and productive. The gardener's favorite variety | \$0.20 | \$0.60 |

LETTUCE One ounce to 150 ft. of row

For an early supply sow in hotbed in early March. Reset the seedlings 3 inches apart each way and later to 8 inches; when weather permits, transplant into open ground in rows 18 inches apart with plants 10 inches apart. For succeeding crops begin sowing out-of-doors latter part of April at three-week intervals, covering lightly in a well prepared seed bed.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Genesee Early Curled. Especially adapted to under-glass culture. Leaves bright green, very much crumpled forming a handsome loose head of medium size; crisp and tender | \$0.15 | \$0.35 | \$1.00 |
| Grand Rapids. A select strain of this popular early variety. Used for under-glass culture and for early open ground sowing. Bright green, crisp leaves that are very much crumpled and edges curled, forming a loose head | .15 | .35 | 1.00 |
| All Heart. Particularly adapted to Summer culture as it withstands the heat and will form heads when other varieties are likely to fail. Light green crumpled leaves, forming a medium sized, compact head | .15 | .40 | 1.20 |
| Big Boston. Broad, smooth leaves forming a large compact head. Color light green, with the wavy edge tinged a reddish-brown; heart almost white | .15 | .35 | 1.00 |
| Wonderful or Los Angeles. A late heading variety. Broad inner leaves somewhat crumpled, forming a compact head; outer leaves blistered and crinkled at edge. Color clear, dark green; good quality. An excellent market gardener type | .15 | .40 | 1.20 |
| Improved Hanson. An excellent variety for mid-summer or late cutting. Large, round heads of broad, light green leaves that are somewhat crumpled | .15 | .35 | 1.00 |
| Genesee Iceberg. Broad, crisp leaves, crumpled and blistered; color medium green with frilled edges tinted with brown. Heads of medium size and compact. An excellent variety for the home garden but too brittle for shipping | .15 | .35 | 1.00 |
| Romaine or Cos. Smooth, long, narrow leaves growing erect and forming a loose loaf-shaped head. A soft twine tied around the head as it forms will bleach the leaves and make them crisper | .15 | .35 | 1.00 |

MUSKMELON or CANTALOUPE

One ounce to 75 hills; 3 pounds per acre

Requires a rich, light, loamy soil; if the garden is not of this character, hills may be prepared by mixing with the soil plenty of well-rotted compost to a depth of 8 or 10 inches. Arrange hills 5 ft. apart each way, putting 8 or 10 seeds to a hill after all danger of frost. Eliminate all but four of the strongest plants, and when 4 or 5 leaves have formed pinch off the end of the main shoot.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Jenny Lind. An early, green fleshed melon. Round with flattened ends and a well developed button on the blossom end; deeply ribbed and heavily netted | \$0.10 | \$0.35 | \$1.00 |
| Fordhook. Round medium sized fruit, flattened ends; deeply ribbed and heavily netted. Flesh light orange color and of excellent quality | .10 | .35 | 1.00 |
| Rocky Ford. Small, almost round, heavily netted but without ribs. Thick, deep green flesh with inner lining showing a trace of pink. Quality good; an excellent shipping melon | .10 | .35 | 1.00 |
| Hearts of Gold. An excellent variety for home garden or market. Small round fruit, ribbed and netted. Thick, orange colored flesh, ripening close to rind; small seed cavity | .10 | .35 | 1.00 |
| Honey Dew. A large melon, almost round. Shell a pale lemon color and smooth, without rib or netting; flesh very thick. Pale green and with a distinct spicy flavor. If picked when slightly green and put in a cool place it will keep for several weeks. | .10 | .35 | 1.00 |

WATERMELON One ounce to 25 hills; 5 lbs. per acre

Soil preparation and culture same as for Muskmelons, except that the hills should be 2 ft. in diameter, deeper preparation and 7 or 8 ft. apart.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Kleckley's Sweet. A dark green, medium sized oval melon. Flesh a rich red, very sweet and crisp. An excellent variety for home garden or local market; not a good shipper | \$0.10 | \$0.25 | \$0.75 |
| Genesee Sweet. A large, long, dark green melon with blunt ends. Crisp, rich red flesh and very sweet. Splendid for home or market garden | .10 | .25 | .75 |
| Tom Watson. Fruit long and large, medium green color. Flesh a rich red and excellent quality. A good shipping variety | .10 | .25 | .75 |
| Round Light Icing. Nearly round and of medium size. Rind is a light green with veins and dots of a darker shade. Bright red flesh of excellent quality. Thin rind, therefore not a good shipper'..... | .10 | .25 | .75 |
| Long Light Icing. A large, long melon; very productive. Color pale green; mottled with a darker shade. Flesh a bright crimson; very good quality | .10 | .25 | .75 |
| Citron. Grown only for the rind which is preserved for use on the table, in fruit cakes, etc... | .10 | | |

MUSTARD One ounce to 75 ft. of row

For early cutting sow in March or April; in August or September for Winter use. Used as a salad, for garnishing, or served boiled like Spinach. Should not be allowed to get too old before cutting.

| | Oz. | $\frac{1}{4}$ lb. |
|--|--------|-------------------|
| Southern Giant. Vigorous and hardy. Leaves a light green, tinged with yellow; much crumpled and frilled on edges | \$0.10 | \$0.25 |

OKRA, or GUMBO. One ounce to 75 ft. of row

Sow in shallow drill about May 1st, and when plants are well up thin out to 9 inches apart; draw more earth to the plants from time to time as they grow. Pick pods while young and tender to use in soups, stews, etc. May also be sliced and dried for Winter use.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Dwarf Green Prolific. Dark green pods about 4 inches long, slightly corrugated and blunt. Very productive and of good quality | \$0.10 | \$0.20 | \$0.50 |
| Mammoth Long Green. Long, slender bright green pods slightly corrugated and pointed. Early and productive | .10 | .20 | .50 |

ONION SETS One quart to 50 ft. of row

Plant in Spring as early as the ground can be prepared, 3 inches apart in the row with rows not less than 12 inches apart. Prices on application.

| | Qt. | Pk. | Bu. |
|--|-----|-----|-----|
| Yellow Globe. Produces large, yellow bulbs | | | |
| Ebenezer or Japanese. Globe shape, yellow. An especially good keeper | | | |
| White Globe. Milder and more delicate than the yellow varieties | | | |

ONIONS

To produce sets sow one ounce to 50 ft. of row; 15 lbs. per $\frac{1}{4}$ acre. For large onions, sow one ounce to 200 feet, 4 lbs. per acre

A deep, rich, loamy soil is best. Sow as early in Spring as the seed bed can be thoroughly prepared. When 3 or 4 inches high, thin out plants to 4 inches to permit the bulbs to develop. Cultivate frequently to keep weeds out.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|--|--------|-------------------|--------|
| Improved Silverskin. A large, flat white onion of mild flavor; fine grained and hard. Used extensively for producing white sets | \$0.25 | \$0.75 | \$2.50 |
| Genesee White Globe. A selected strain of Southport White. Flesh very mild, crisp, fine grained and real white. Skin is very thin, delicate and white | .25 | .75 | 2.50 |
| Genesee Yellow Globe. A selected strain of Southport Yellow. A deep yellow or golden-brown globe-shaped bulb with a small neck. Its thick skin makes it especially desirable as a storage type | .20 | .60 | 1.80 |
| Yellow Globe Danvers. The most popular in this section, especially with the market gardener. Very productive. Good color, cures well and therefore a good keeper..... | .20 | .60 | 1.80 |
| Mammoth Yellow Prizetaker. One of the best for the home garden. Large, globe shaped, pale yellow and of mild, delicate flavor | .20 | .60 | 1.80 |

PARSLEY One ounce to 100 ft. in rich, mellow soil

Seed is slow in germinating and should be soaked in tepid water for an hour or so before sowing.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Genesee Moss Curled. Leaves are very finely cut and closely curled; color a deep green. Used for garnishing and for seasoning soups | \$0.10 | \$0.25 | \$0.75 |
| Plain or Straight Leaf. Used principally for flavoring in soups. Sometimes called Italian Parsley | .10 | .25 | |
| Large Hamburg. It is the root of this variety that is used for flavoring in soups and stews. In shape it resembles a small parsnip | .10 | .25 | |

PARSNIP One ounce to 200 ft; 5 lbs. per acre

Sow in rows about $\frac{1}{2}$ inch deep, as soon as ground can be well prepared; thin out plants to 6 inches.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|--|--------|-------------------|--------|
| Hollow Crown. Large, smooth roots; sugary and tender | \$0.10 | \$0.25 | \$0.70 |

PEPPERS One ounce to 300 ft.

For early plants sow seed in hotbed about the first of April and transplant into open after all danger of frost. Plants should be set about 2 ft. apart each way in a rich, well prepared soil.

| | Oz. | $\frac{1}{4}$ lb. |
|--|--------|-------------------|
| Bullnose. A very popular variety. Fruit is large and thick with a blunt end. A deep green color when young, turning to bright red when ripe. Sweet and mild..... | \$0.30 | \$1.00 |
| Ruby King. Plants are early and very productive; upright and compact growth. Long, tapered, bright red fruit; flesh thick, sweet and mild | .30 | 1.00 |
| Pimento. Especially popular for salads. Smooth, heart-shaped fruit; flesh thick and mild... | .30 | |
| Genesee Giant. Plants of short, stocky growth. Fruits are very large, short and blocky. Bright scarlet when ripe and very mild | .40 | 1.25 |
| Long Red Cayenne. Long, slender fruit; bright red, very hot and pungent. Used principally with pot-herbs | .30 | 1.00 |

PUMPKIN One ounce to 20 hills; 4 lbs. per acre

Plant in hills about 8 ft. apart each way in early May, or if in corn field, at time corn is planted.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Sweet Potato. Almost bell shaped, with its short neck slightly curved; skin creamy white, occasionally green stripes. Flesh creamy-white, thick, fine grained and good quality | \$0.10 | \$0.30 | \$1.00 |
| Sugar or New England Pie. A small orange colored variety, round, flattened at each end and slightly ribbed. Flesh a deep yellow, very thick and excellent quality. Especially recommended for the home garden | .10 | .25 | .80 |
| Cushaw (Striped). A crookneck variety with green and white stripes. Flesh is yellow, thick, solid and fine grained | .10 | .30 | 1.00 |
| Yellow Crookneck. Bell-shaped with a long, curved, thick neck; solid, fine grained and meaty. | .10 | .30 | 1.00 |
| Mammoth. As its name implies, this grows to a very large size. Orange-colored, round with flattened ends and distinctly ribbed. Grown principally for stock feeding, the texture being rather coarse for pies | .10 | .30 | 1.00 |
| Connecticut Field. Oval shaped, 12 to 15 inches diameter and flattened at the ends. Smooth, deep orange skin, distinctly ribbed; flesh a deep yellow. Grown principally for stock feeding | .10 | .20 | .60 |

RADISHES One ounce to 100 ft. of row

Soil should be rich, mellow and finely prepared. May be grown under glass during Winter and early Spring. Sow in open ground as soon as weather will permit thorough preparation of soil, and at intervals of 2 or 3 weeks to have a continued supply. The Winter varieties should be sown about August; harvest and put in storage before severe frost.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|--|--------|-------------------|--------|
| Genesee Early Forcing. Especially adapted to under-glass culture but used also for early outdoor sowing. A small, perfectly round, bright scarlet root with very little top. Crisp and very attractive to serve | \$0.10 | \$0.25 | \$0.75 |
| Vick's Scarlet Globe. Another variety that is popular for forcing as well as for early outdoor planting. Bright scarlet, olive shaped root | .10 | .25 | .75 |
| Scarlet Turnip. White Tipped. The most popular in this market for early outdoor growing. Medium sized round bulb; deep scarlet with white tip | .10 | .25 | .75 |
| French Breakfast. Quite a favorite with some gardeners. Olive shaped bulb, bright scarlet with white tip | .10 | .25 | .75 |
| White Box. An early, white variety. Round, of medium size; crisp, fine grained and tender.. | .10 | .25 | .75 |
| Icicle. A long, tapering white root. Clear, waxy white flesh of excellent quality | .10 | .25 | .75 |
| Long Bright Scarlet. A long, tapering bright scarlet root with white tip. Crisp, tender flesh.. | .10 | .25 | .75 |
| Crimson Giant. A large, globe shaped midseason variety. Flesh crisp and tender..... | .10 | .25 | .75 |
| Chartier. A long, thick root; deep scarlet at the top, gradually shading to a pure white at the tip. Desirable for late summer | .10 | .25 | .75 |
| White Strasburg. A good late variety. Roots are long, thick at top and tapering rather abruptly; skin and flesh pure white | .10 | .25 | .75 |
| Celestial or White Chinese. Late Fall. Long, thick, cylindrical root. Skin and flesh pure white | .10 | .25 | .75 |
| China Rose Winter. A popular late variety. Long, cylindrical root with blunt end. Skin a deep rose color; flesh white, crisp and pungent | .10 | .25 | .75 |
| Long Black Spanish. A long, thick root. Skin is black; flesh white and crisp. A late, hardy variety | .10 | .25 | .75 |
| Round Black Spanish. Similar to the last named variety except that it is almost globe shaped | .10 | .25 | .75 |

SALSIFY. (OYSTER PLANT). One ounce to 50 ft. of row

Ground should be rich and mellow, well prepared to the depth of a foot or more. Sow seed in early Spring, covering to a depth of 1 inch in drills 12 to 18 inches apart. Ready for use in the Fall or may be stored for Winter.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|--|--------|-------------------|--------|
| Mammoth Sandwich Island. A long, thick, tapering root. Color a creamy white. Flavor resembles that of an oyster | \$0.20 | \$0.60 | \$1.80 |

SPINACH In drills, one ounce to 100 ft.; 12 lbs. per acre

For Summer cutting sow at intervals of 3 or 4 weeks, beginning as soon as ground can be prepared. For Winter use sow in September; during the Winter it is well to protect the plants with straw or other litter.

| | $\frac{1}{4}$ lb. | lb. | 10 lb. |
|---|-------------------|--------|--------|
| Princess Long Standing. The best variety for early sowing as it is slow to run to seed during hot weather. Forms a compact rosette on short stem. Leaves are a dark green, thick and broad; very much blistered and crumpled | \$0.10 | \$0.25 | \$2.20 |

| | .10 | .25 | 2.20 |
|---|-----|-----|------|
| Victoria. Another excellent type for Summer as it is slow shooting to seed in hot weather. The leaves are a dark green, thick and much wrinkled, forming a rather flat rosette on a short stem | .10 | .25 | 2.20 |

| | .10 | .25 | 2.00 |
|---|-----|-----|------|
| Bloomsdale Savoy. The most popular variety and especially adapted to Fall sowing. Leaves are a glossy dark green, of medium size, blistered and crumpled. Growth is rather upright on stems 2 or 3 inches long | .10 | .25 | 2.00 |

| | .15 | .50 |
|--|-----|-----|
| New Zealand. While not a true Spinach, it is referred to as such; it is prepared and served in the same manner as regular Spinach. Should not be sown before the middle of May as it is not hardy. Germination is slow and the seed should be soaked in warm water for about 24 hours before sowing. Three or four seeds in hills that are two feet apart | .15 | .50 |

SQUASH One ounce will plant 40 to 50 hills

Sow in well prepared seed beds about May when warm weather is established, making the hills 4 ft. apart for the bush type and 8 ft. apart for running vines, leaving 3 or 4 plants to a hill.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Pattypan or Silver Custard. Also called "White Bush." Early and very popular for home or for market. Fruit is flattened, with a scalloped rim. Skin a creamy white, and smooth | \$0.10 | \$0.25 | \$0.85 |
| Golden Crookneck. An early Summer type. Fruit about a foot long and curved; skin a bright yellow and warty | .10 | .25 | .85 |
| Cocozella (Italian Marrow). Early; bush type. Oblong fruit 12 to 15 inches long and 4 inches thick. Color dark green with yellow and green stripes; ribbed lengthwise..... | .10 | .30 | |
| Golden or Red Hubbard. Of medium size, somewhat oval in shape. Shell is moderately warty, a rich orange-red color with occasional stripes at one end. Flesh a deep orange, dry and of excellent quality. A very good keeper | .10 | .30 | 1.00 |
| Improved Hubbard. Similar to the last named variety, but the fruit is larger and the color a very dark green. Flesh is a deep yellow, thick, fine grained and dry. An excellent Winter sort | .10 | .30 | 1.00 |

TOMATO One ounce for about 2,000 plants

For early plants sow in hotbed during February and when plants are 3 inches high, transplant 4 inches apart into flats or cold frames, exposing them to open air on mild, sunny days. Plant in open ground when all danger of frost is past, preparing hills 4 feet apart of rich, loamy soil a foot deep.

| | Oz. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Early Dawn. A distinctly early fruiting variety. Bright red, smooth, medium size. Firm meaty flesh | \$0.30 | \$0.90 | \$3.25 |
| Spark's Earliana. Early. Fruit of fair size, round, smooth and solid. Color a bright scarlet.. | .30 | .90 | 3.25 |
| Early Jewel. An excellent variety, ripening about ten days later than Earliana. The crimson fruit is round, smooth and solid | .30 | .90 | 3.00 |
| Bonny Best. A medium sized, bright red, smooth, solid fruit. Very productive; ripens a week to 10 days later than Earliana | .30 | .90 | 3.00 |
| Marglobe. A disease resistant, very productive medium early variety. Fruit, deep scarlet, of good size, smooth and very solid, with small seed cavities. Especially desirable for the market gardener and for canning | .30 | 1.00 | 3.50 |
| Stone. A specially selected strain of this very popular tomato. Fruit is large, smooth, solid and meaty; color a deep red. Plant is vigorous and productive | .25 | .75 | 2.50 |
| Scarlet Beauty. Appropriately named. A very dependable crop of large, smooth fruit. Well adapted for canning | .25 | .80 | 2.75 |
| Matchless. A bright red, smooth second early variety. A favorite with some growers for many years | .25 | .80 | 2.75 |
| Greater Baltimore. A main crop, productive variety popular with market gardeners and canners. Fruit is red, of good size and firm | .25 | .80 | 2.75 |
| Beefsteak. Large, bright red, meaty fruit. A very good canning variety | .35 | 1.10 | 3.80 |
| Red Plum; Yellow Plum; Yellow Pear. These varieties produce real small fruit that is used for preserves. The names are indicative of the color and shape of each kind.... | .40 | 1.25 | |

TURNIPS One ounce for 250 ft. of row; 2½ lbs. per acre

For an early crop sow about May 1st, and for late Turnips sow during August; as moisture is essential to germination, it is desirable to do seeding just prior or immediately following a rain. When plants are a few inches high, thin out to 4 or 5 inches.

| | Pkt. | $\frac{1}{4}$ lb. | lb. |
|---|--------|-------------------|--------|
| Purple Top White Globe. The skin is purple on upper part of root and white below. Flesh is white, tender and sweet. One of the most popular for table | \$0.10 | \$0.20 | \$0.50 |
| Purple Top Flat or Strap Leaf. Similar to the above variety except that its shape is flat instead of globular | .10 | .20 | .50 |
| Amber or Yellow Globe. (Green Top). Skin and flesh are yellow. Grown principally for table use, being the most popular of the yellow fleshed variety | .10 | .20 | .50 |
| Golden Ball. The merit of this variety is not fully appreciated in this market. The root is of medium size, round, smooth. Flesh is yellow, crisp and of excellent quality... | .10 | .20 | .50 |
| Yellow Aberdeen. (Purple Top). Flesh is yellow, sweet and fine grained. A medium sized root and good keeper | .10 | .20 | .50 |
| White Cow Horn. Clear white roots growing 10 to 12 inches long and slender | .10 | .20 | .50 |
| Seven Top. Grown for the tops only, which are used as greens | .10 | .20 | .50 |
| Ruta Baga. Purple top, yellow. Grown principally as a feed for stock. Sow one ounce to 200 ft. of row or 1½ lbs. per acre, about the first of July; thin out the plants leaving about 8 inches between each | .10 | .20 | .60 |

FLOWER SEEDS

While we carry a general assortment in 10c packets, we also carry seed of the following popular varieties in bulk to meet a demand for larger quantities:

SWEET PEAS. Spencer Blend. A surpassingly beautiful assortment of colors of the orchid flowering type; California grown Pkt. Oz. $\frac{1}{4}$ lb. lb.
..... \$0.10 \$0.15 \$0.45 \$1.25

NASTURTIUM, Golden Gleam. This new sweet-scented Nasturtium should have a place in every flower garden. The blooms are double, large, and of a beautiful golden-yellow color. The stems are long enough to permit picking for table use10 .30 1.00

NASTURTIUM, Regular Strain in mixed colors. We have these in both Tall and Dwarf varieties. The Dwarf is used in beds, rock gardens and for borders; the Tall variety should be planted where the trailing vine has opportunity to spread. Prices: 1 oz. Pkt. \$0.10; 3 oz. Pkt. \$0.25; Lb. \$0.90.

| | Pkt. | $\frac{1}{4}$ Oz. | Oz. |
|--|--------|-------------------|--------|
| ANTIRRHINUM (Snapdragon). Giant flowering, mixed colors | \$0.10 | \$0.25 | \$0.80 |
| ASTERS , Giant Comet. Large fluffy-petaled bloom. Mixed colors | .10 | .30 | 1.00 |
| ASTERS , Late Branching. Large blooms borne on long stems. Mixed colors | .10 | .30 | 1.00 |
| COSMOS , Autumn Giant. Fine, large, single flowers; mixed colors | .10 | .15 | .40 |
| DIANTHUS BARBATUS (Sweet William). Large double flowered; rich, varied colors..... | .10 | .25 | .75 |
| LARKSPUR , Ageratum Blue. (Annual) Double stock-flowered | .10 | .20 | .65 |
| MARIGOLD , Legion of Honor. Dwarf; single flowered. Golden yellow with crimson spots... | .10 | .20 | .60 |
| PANSY . Giant flowers of rich colors and beautiful markings | .20 | .75 | 2.50 |
| SALVIA (Scarlet Sage). "Bonfire." Profusion of rich scarlet spikes | .20 | .65 | 2.00 |
| SWEET ALYSSUM , Little Gem. Dwarf, white-flowering; prolific bloomer | .10 | .20 | .60 |
| ZINNIA , Giant Double. A splendid mixture of many colors | .10 | .30 | 1.00 |
| ZINNIA , Giant Dahlia Flowered. A mixture that includes many unusual colors | .20 | .50 | 1.50 |

SEED POTATOES. Northern grown from Selected Seed Stock. Noted for their strong vitality, productiveness, and freedom from disease. Varieties and prices on application.

FIELD CORN. In season we will have several varieties grown specially for seed.

SOY BEANS and COW PEAS

These plants are valuable in improving the soil by reason of their ability to gather nitrogen from the air and deposit it through the roots into the soil; for enriching the ground by turning the plant under; and used extensively as green forage for cattle. Inoculate the seed with "Stimugerm".

| | Qt. | Pk. | Bushel |
|--|-----|------|--------------|
| Early Wilson Soy Beans | | | 60 lbs. |
| Cow Peas | | | 60 lbs. |
| | Qt. | Pk. | Bushel |
| DWARF ESSEX RAPE. Sown April to August, 1 peck per acre broadcast or $\frac{1}{2}$ peck if drilled. Relished by all stock | .20 | .90 | 3.00 50 lbs. |
| VETCH, HAIRY OR WINTER. Sow in August or September, 1 bushel per acre, and preferably with an equal quantity of Rye or Wheat. Used as a soil improver, as green forage or for hay | .30 | 1.80 | 6.50 60 lbs. |



A bacteria culture in jelly form especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. Economical and easy to use. Full instructions accompany each package.

When ordering be sure to state the variety you wish to inoculate, also number of bushels of seed to be treated.

STIMUGERM CULTURES for Clovers, all varieties: $\frac{1}{2}$ Bu. size, \$0.35; 1 Bu., \$0.65; $2\frac{1}{2}$ Bu., \$1.40.

For Soybeans and Cowpeas, Vetch, Garden Peas, Lima Beans: 1 Bu. size, \$0.35; 2 Bu., \$0.65; 5 Bu., \$1.40.

Special size (No. 5) for Garden Peas and Beans, and Sweet Peas, \$0.25.

GRASS SEEDS FOR LAWN AND FARM

Our constant endeavor is to obtain seeds of the highest quality, and whenever possible we buy them under statement as to purity and the germinating strength; in addition we submit samples to seed laboratories for testing. This also enables us to select a very high grade of seeds for use in our Grass Seed Mixtures, all of which are from formulas based on careful study and recommendation of men long experienced in grass seeds.

There is no economy in buying cheap grass seed; quality should be the determining factor.

See inside back cover for "Proper Care of Lawn."

| | Qt. | Pk. | Bushel |
|--|--------|--------|----------------|
| Brandywine Park Lawn Seed. A combination of a variety of fine-leaved grasses adapted to this section, with the addition of White Dutch Clover | \$0.25 | \$1.80 | \$7.00-28 lbs. |
| Evergreen Lawn Grass Seed. The same combination of grasses as in the Brandywine Park mixture, except that the White Clover is omitted | .25 | 1.80 | 7.00-28 lbs. |
| Shady Place Grass Seed. A mixture of certain varieties that are better adapted to certain shaded conditions | .25 | 1.70 | 6.50-25 lbs. |
| Permanent Pasture. A mixture of grasses desirable for grazing. This formula does not provide any clover; clover seed of the variety desired may be added in such quantity as the customer may determine, at an additional charge for the extra seed. Sow 1½ to 2 Bushel per acre | .20 | 1.00 | 3.50-25 lbs. |

CLOVER SEED

WHITE DUTCH CLOVER for Lawns

| | Qt. | Pk. | Bushel |
|---|--------|--------|---------|
| ½ lb., \$0.15 ½ lb., \$0.25 1 lb., \$0.50 10 lbs., \$4.50 | | | 60 lbs. |
| Medium Red, Domestic | \$0.45 | \$2.90 | \$11.00 |
| Alsike, Faney | .45 | 3.00 | 11.50 |
| Alfalfa, Faney | .45 | 2.90 | 11.00 |
| Mammoth, Red | | | |
| Scarlet or Crimson | | | |
| Sweet Clover, White Blossom.. | .25 | 1.40 | 4.90 |

SELECTED FARM SEEDS (Prices on Application)

| | Pk. | Bushel |
|------------------------------|-----|---------|
| Seed Oats | | 32 lbs. |
| Winter Rye | | 56 lbs. |
| Spring Barley | | 48 lbs. |
| Buckwheat | | 48 lbs. |
| Kafir Corn | | 56 lbs. |
| Sugar Cane (or Sorghum)..... | | 50 lbs. |
| Canada Field Peas | | 60 lbs. |

COARSE-LEAVED

Timothy, Faney

| | Qt. | Pk. | Bushel |
|-------------------------|-----|------|--------------|
| Orchard Grass | .15 | .80 | 2.40-20 lbs. |
| English Rye Grass | .20 | 1.20 | 4.00-25 lbs. |
| Domestic Rye Grass | .15 | .80 | 2.80-30 lbs. |
| Meadow Fescue | .15 | .80 | 2.80-25 lbs. |
| German or Golden Millet | .15 | .70 | 2.30-50 lbs. |
| Hungarian Millet | .15 | .70 | 2.00-48 lbs. |
| Sudan Grass | .20 | 1.00 | 3.40-45 lbs. |

FINE- LEAVED

| | Qt. | Pk. | Bushel |
|---------------------------|--------|--------|----------------|
| Kentucky Blue Grass ... | \$0.25 | \$1.30 | \$4.50-22 lbs. |
| Red Top, Faney | .25 | 1.30 | 4.50-32 lbs. |
| So. German Mixed Bent. | | | |
| Colonial or R. I. Bent... | | | |
| Crested Dogtail | .40 | 2.40 | |
| Sheep's Fescue | .25 | 1.10 | 3.50-20 lbs. |
| Red Fescue | .25 | 1.20 | 4.00-20 lbs. |
| Rough Stalk Meadow ... | .25 | 1.50 | 5.00-25 lbs. |
| Wood Meadow | | | |

SEEDING TABLE FOR FIELD SEEDS

| | Quantity Per Acre | Time of Seeding |
|------------------------|----------------------|-----------------------|
| Barley | 2 Bu. | April-June |
| Blue Grass, fancy..... | 1½ to 2 Bu. | April-June Aug.-Sept. |
| Buckwheat | 1 to 1½ Bu. | May-June |
| Cane, Sorghum | 1 Bu. | May-June |
| Corn | 8 Qts. | May-June |
| Corn, Ensilage | 20 Qts. | May-June |
| Corn, Sweet | 10 Qts. | May-July |
| Clover, Alfalfa | 12 Qts. | April-May |
| Clover, Alsike | 4 Qts. | Feb.-June |
| Clover, Crimson | 8 to 10 Qts. | July-Sept. |
| Clover, Red | 4 to 6 Qts. | Feb.-Apr. |
| Clover, Sweet | 8 to 12 Qts. | April-May |
| Clover, White | 3 Qts. | April-June |
| | | Aug.-Oct. |

| | Quantity Per Acre | Time of Seeding |
|--------------------------------------|----------------------|-----------------------|
| Kafir | 16 Qts. | May-June |
| Oats | 2 Bu. | March-May |
| Peas, Cow | 1½ Bu. | May-Aug. |
| Red Top, fancy | 16 Qts. | April-June Sept.-Nov. |
| Rye, Winter | 1½ Bu. | Sept.-Nov. |
| Rye Grass | 1½ Bu. | April-June Aug.-Oct. |
| Soy Beans, broadcast.... | 1 to 1½ Bu. | May-Aug. |
| Sudan | 16 Qts. | April-June |
| Timothy | 6 to 8 Qts. | April-June Aug.-Nov. |
| Timothy and Clover: Timothy | 8 Qts. | |
| Clover | 4 Qts. | |

FERTILIZERS

All prices subject to change without notice.
Quotations on larger quantities furnished on application.

| | 5 lbs. | 25 lbs. | 50 lbs. | 100 lbs. | 500 lbs. |
|--|--------|---------|---------|----------|----------|
| BAUGH'S PURE RAW BONE MEAL..... | | | \$1.25 | \$2.25 | \$11.00 |
| BAUGH'S FINE STEAMED BONE MEAL..... | \$0.25 | \$0.75 | 1.25 | 2.10 | 10.00 |
| BAUGH'S PERUVIAN GUANO SUBSTITUTE, for vegetables | | | | 1.60 | 7.50 |
| BAUGH'S SPECIAL POTATO—A fertilizer for tubers..... | .25 | .70 | 1.00 | 1.60 | 7.00 |
| BAUGH'S BALANCED PLANT FOOD, for grain and grass.... | | | | 2.00 | 9.00 |
| BAUGH'S EXCELSIOR GUANO—For field and garden crops.. | | | | 1.50 | 6.75 |
| BAUGH'S TRUCKER'S SPECIAL, for vegetables..... | .25 | .75 | 1.25 | 2.00 | 9.00 |
| BAUGH'S ACID PHOSPHATE, 16%..... | | | .70 | 1.10 | 4.50 |
| SULPHATE OF AMMONIA..... | .25 | .90 | 1.50 | 2.35 | 11.00 |
| NITRATE OF SODA..... | .25 | .90 | 1.50 | 2.35 | 11.00 |
| MURIATE OF POTASH..... | .25 | .90 | 1.50 | 2.75 | 13.00 |
| ALUMINUM SULPHATE | .30 | 1.00 | 1.75 | 3.25 | |
| KAINIT | .15 | .55 | .90 | 1.40 | 6.00 |
| LAND PLASTER | .15 | .50 | .75 | 1.20 | 5.00 |
| PULVERIZED POULTRY MANURE | .25 | .70 | 1.10 | 2.00 | 9.50 |
| WIZARD BRAND PULVERIZED SHEEP MANURE..... | .25 | .70 | 1.10 | 2.00 | 9.50 |
| WIZARD BRAND PULVERIZED COW MANURE..... | .25 | .70 | 1.10 | 2.00 | 9.50 |
| WIZARD BRAND SHREDDED COW MANURE..... | | .70 | 1.10 | 2.00 | 9.50 |
| "MO-CO-NU," COW MANURE AND PEAT MOSS..... | | | 2.00 | 4.00 | |
| TANKAGE | .25 | .85 | 1.50 | 2.70 | 12.50 |
| DRIED BLOOD MEAL | .30 | 1.10 | 2.00 | | |
| ASPARAGUS SALT | .15 | .40 | .70 | 1.10 | 5.00 |
| COTTONSEED MEAL (8% Ammonia) (Prices on application) | | | | | |

A hydrated lime for use on lawn, garden and field. Apply about 25 lbs. per 1000 sq. ft. of lawn; in garden or field, 1000 lbs. to 1500 lbs. per acre. Also excellent for making whitewash.

Prices: 10-lb. bag, \$0.25; 50-lb. bag, \$0.70; 100 lbs., \$1.20; 500 lbs., \$4.75; 1000 lbs., \$7.50.

The "square meal" food for House and Garden Plants, Lawn, Trees and Shrubbery.

12-oz. carton, \$0.10; 5-lb. carton, \$0.50; 10-lb. \$0.85; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.00.

Ask about the Vigoro "Garden Treasure Box." More than 100 printed cards brim full with detailed cultural directions for Flowers, Bulbs, care of the Lawn, etc. Prices: \$0.50; or \$0.25 with a purchase of 5 lbs. or more of Vigoro.

Dugro ODORLESS PLANT FOOD (Grasselli). Prepared especially for plants in the house and conservatory, flowerbeds, lawn and shrubbery. Prices: 5 lbs., \$0.35; 10 lbs., \$0.60; 25 lbs., \$1.20.

FULTON'S Plantabbs

ODORLESS PLANT-FOOD TABLETS. A concentrated food for plants in the house or conservatory. 30 tablets, \$0.25; 75 tablets, \$0.50; 200 tablets, \$1.00.

Useful as a mulch to break up heavy soil conditions and for top dressing on beds and around shrubbery. It absorbs water freely which is released gradually into the soil, thus contributing to plant sustenance during periods of drought. Prepared in two grades,—coarse and fine. Prices: 25-lb. bag, \$0.75; small bale, \$1.20; large bale, \$2.00. Quantity price on application.

Peat Moss Disintegrated vegetable matter. Excellent as a top dressing on flower beds, around shrubbery and for a mulch in heavy soils when being prepared for vegetable or flower beds or when making a new lawn. As a mulch use 300 lbs. to 400 lbs. per 1000 sq. ft.; for top dressing spread $\frac{1}{4}$ inch to $\frac{1}{2}$ inch thick. 25 lbs., \$0.70; 50 lbs., \$1.00; 100 lbs., \$1.85; 500 lbs., \$8.00. Price by the ton on application.

Adco Powder

Mixed with leaves, grass cuttings, vines and other non-woody refuse of lawn and garden and kept moist, will gradually convert the mass into a valuable pile of manure for use in the garden. Prices: 25-lb. bag, \$1.80; 4 bags for \$7.00.

When spread between rows of plants it prevents the growth of weeds; also conserves soil temperature and moisture, thereby greatly stimulating growth of the plants. Garden size roll, 18 in. x 45 ft. long, \$0.60.

Type A, light weight, per roll (300 lineal yards), 18 in. wide, \$3.00; 36 in. wide, \$6.00. Type B, heavy weight, per roll (150 lineal yards), 18 in. wide, \$3.00; 36 in. wide, \$6.00.

Mulch Paper

SPRAYING MATERIALS AND THEIR PURPOSES

First determine the enemy or enemies you have to combat; then select from the materials listed below and on the two following pages the remedies most efficacious in your work. We have spray calendars and circulars issued by insecticide manufacturers that will be found helpful in many specific problems.

NOTE. Insecticides marked * may not be sent by parcel post. When other kinds are desired forward by this method add to your remittance sufficient to cover postage in accordance with the parcel post rates at top of page 1.

Group No. 1

SCALE INSECTS come under this heading. There are a number of kinds, the one best known in this section being the San Jose. To be really effective this spraying must be done during the dormant period,—after the foliage has dropped in the Fall and before growth starts in the Spring. Where trees are badly infested two or three applications should be made, using one of the following.

There are two general types of sprays to use against scale infestation. While **LIME-SULPHUR** is the older and still preferred by many, it is being largely superceded by **OIL SPRAYS** which are just as effective as the former and are pleasanter to work with.

LIME-SULPHUR

For **DORMANT SPRAYING**, use 1 lb. Powder to 4 Gal. of water, or Liquid solution 1 Gal. to 9 Gal. of water. As a **SUMMER SPRAY** mix 1 lb., Powder to 10 Gal. of water, or dilute Liquid solution 1 to 40.

POWDER. Prices: lb., \$0.30; 5-lb. can, \$1.25; 10-lb. can, \$2.00; 12½-lb. bag, \$1.60; 25 lbs., \$3.25; 100 lbs., \$11.00.
LIQUID. Prices: Quart, \$0.45; 1 gal., \$0.90; 5 gals., \$2.75; 30 gals., \$6.00; 50 gal. drums, 16 cents per gallon.

A distilled petroleum product for the control of scale insects on fruit and shade trees, evergreens, shrubbery, etc. Mixes readily in any water and makes a permanent emulsion. Descriptive pamphlet on request.

Prices: Quart, \$0.50; 1 gal., \$1.25; 5 gals., \$4.80; 15 gal. drum, \$8.25; 30 gal. drum, \$13.75; 50 gal. drum, \$19.00.

(MISCIBLE OIL). This well known dormant spray is a product of refined petroleum and vegetable oils. Safe and pleasant to use, it is effective in the control of scale insects attacking fruit and shade trees, evergreens, shrubbery.

Prices: Quart, \$0.60; 1 gal., \$1.25; 5 gals., \$4.75; 15 gals., \$12.00; 30-gal. drum, \$18.00; 50-gal. drum, \$25.00. A Credit of \$2.50 allowed for empty 50-gal. Scalecide drums returned promptly in good condition.

Group No. 2

CHEWING INSECTS. From this group may be selected materials with which to combat Cabbage and Tomato Worms, Potato Beetles, Bean Beetles, Japanese Beetles, Caterpillars, Codling Moth, etc.

*ARSENATE OF LEAD.

May be applied in powder form or as a liquid spray to fruit trees, shrubbery, vegetables, etc. Directions for mixing printed on package. It is also used on lawns to combat soil insects such as grubs, etc.

Prices: ½ lb. carton, \$0.15; 1 lb. carton, \$0.25; 1 lb. bag, \$0.20; 4 lb. bag, \$0.60; 24 lb. case, \$3.40.

*CALCIUM ARSENATE.

For protecting Vegetables, Fruits, etc., against certain chewing insects. (Do not use on stone fruits). Considered better than Arsenate of Lead or Paris Green for some purposes as it is less likely to burn tender foliage and is more effective by reason of its greater adhesive character. Use according to directions on package. Prices: 1 lb., \$0.20; 4 lbs., \$0.45; 24 lb. case, \$2.50.

*OLEATE COATED ARSENATE OF LEAD.

Especially effective against the Japanese Beetle. The coating material makes it palatable to the insect and also increases the adhesiveness of the spray.

Prices: 1-lb. jar, \$0.50; 2½-lb. jar, \$1.00; 10-lb. can, \$2.75.

*MAGNESIUM ARSENATE.

For control of Mexican Bean Beetle. Will kill the beetle without burning the foliage. Prices: For applying in dust form, 1-lb. can, \$0.25; 4-lb. pkg., \$0.65. To make a liquid spray,—2-lb. pkg., \$0.65.

ACME BEAN BEETLE DUST.

For destroying this and other hard shelled insects. Apply in powder form.

Prices: 1-lb. carton, \$0.20; 4-lb. bag, \$0.50.



A pyrethrum compound, non-poisonous. Effective against Aster Beetle, Mexican Bean Beetle and other chewing insects. Also used for control of Thrip, Aphid, Red Spider, Mealy Bug, Etc., in the garden and greenhouse. 1 oz. makes 4 to 6 gallons of spray. Prices: 1 oz., \$0.35; 6 oz., \$1.00; Pint, \$2.00; 1 gal., \$11.50.



A non-poisonous pyrethrum spray effective against both chewing and sucking insects. Will not burn or otherwise injure the fruit or tender foliage.

Prices: 1-oz. bottle, \$0.35; ¼-pint tin, \$1.00; ½-pint tin, \$1.75; 1 pint, \$3.25; Quart, \$6.00; gal., \$20.00.

DUTOX

A Barium Fluosilicate—(non-arsenical)—insecticide for use against chewing insects attacking fruit trees and vegetables. Especially effective in control of the Mexican Bean Beetle. May be used in dust form or as a spray. Directions for use on package.

Prices: 1 lb., \$0.30; 6-lb. bag, \$1.25; 24 lb. box, \$4.50.

PARIS GREEN

For many years this was considered the best insecticide for control of the Potato Beetle, but has now been largely displaced by other poisons. It is still preferred by some gardeners.

Prices: ¼ lb., \$0.15; 1 lb., \$0.45; 5 lbs., \$1.75; 15 lbs., \$5.00.



Effective against caterpillars, leaf chewing insects and slugs on rose bushes and other shrubs. Prices: 4 oz., \$0.60; ½ pint, \$1.00.

MELROSENE

(LIQUID). An effective spray against rose bugs. Does not injure the bloom. Dilute 1 part to 20 parts of water.

Prices: Trial can (makes 1 gallon), \$0.50; pint, \$1.00; quart, \$1.75.

SPRAYING MATERIALS (Continued)

**Group
No. 3**

FUNGUS DISEASES, MILDEW, BLIGHT, ROT, MOLD.

diseases attacking trees, shrubbery, etc.

The following materials are used to combat these

SULFOCIDE. A splendid summer spray for fruit trees, berry bushes and some kinds of vegetables. It keeps them healthy and insures better quality of fruit. Dilute 1 part to 200 parts water, adding Calcium Caseinate as a spreader. Arsenate of Lead may be added when an insecticidal poison is desired; follow instructions on can. Prices: Pint, \$0.50; quart, \$0.75; 1 gallon, \$2.00; 5 gallon can, \$7.00; 10 gallon can, \$13.00.

LIME-SULPHUR (Powder). Use summer strength:—3 to 4 pounds in 50 gallons of water. Prices on page 14, under Group 1.

***BORDEAUX (Powder).** For use on most fruits and vegetables. Mix 2½ ounces in 1 gallon of water or 1 pound in 7 gallons. Prices: Pound, \$0.20; 4 lbs., \$0.55; 24-lb. carton, \$2.75.

**(Liquid).**

For controlling mildew and blackspot on rose bushes.

Prices: 4-oz. can, \$0.45; ½-pt. can, \$0.75; Pint, \$1.25; Quart, \$2.00; Gal., \$6.00.

**Group
No. 2 & 3
Combined**

To destroy chewing insects and fungus diseases at one operation, spray with a combination of Bordeaux and Arsenate of Lead. These materials may now be had conveniently compounded in the proper proportions ready to mix with water to make an efficient spray. For this purpose we offer the following well known compounds.

PYROX (Paste form of Arsenate of Lead and Bordeaux). An insecticide and fungicide. For most fruit trees mix 1 pound in 5 gallons of water, and for potatoes, 1 to 4. Prices: Pound, \$0.40; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$5.00.

***NICOTINE-PYROX.** The compounding of Nicotine with regular Pyrox in order to also protect the plant against lice and other kinds of sucking insects. Prices: 10-oz. jar, \$0.45; 40-oz. can, \$1.00; 5 lbs., \$1.75.

***PESTROY** (Arsenate of Lead and Bordeaux in powder form). Very effective, highly recommended. Use 1 lb. in 7 gals. of water. Prices: ½ lb., \$0.10; 1 lb., \$0.20; 4 lbs., \$0.60.

***ACME ALL ROUND SPRAY.** A combination of Arsenate of Lead, Bordeaux and Nicotine Sulphate for control of both chewing and sucking insects and of fungi with one spray. Especially convenient for the small garden. Price: ¼ lb., \$0.30.

***Pomo-Green** *A dusting preparation of Bentonite-Sulphur, Arsenate of Lead and Nicotine,—an effective insecticide and fungicide combination for use on rose bushes, etc. The leaf-green color of the powder renders it inconspicuous on foliage.

Prices: 1 lb., \$0.75. Without Nicotine, 1 lb., \$0.50; 5 lbs., \$1.75.

HAMMOND'S ROSE DUST. A non-poisonous powder for control of mildew, blackspot and other fungus diseases on grape vine, rose bushes, snapdragons, etc. Green in color, which makes it inconspicuous on the foliage. Price: 1-lb. sifter-top can, \$0.35.

***MANGANAR ROSE DUST** (Or Floragard). A dusting preparation for control of chewing and sucking insects, red spider and fungous diseases. Prepared especially for rose bushes, but may be used effectively on some other plants. Prices: 1 lb. carton, \$0.40; 5 lb. carton, \$1.50.

***KOPPER'S GARDEN DUST.** An insecticide and fungicide combination of Arsenate of Lead, Nicotine Sulphate and Sulphur in powder form. The container is a bellows-action duster, making a very convenient package for the small garden. Price: 1½ lb. \$0.40.

**Group
No. 4**

APHIS, THRIPI, LEAF HOPPERS and other forms of plant lice that suck the juice from the stem and leaf can be reached effectively only with a "contact" spray. The following sprays are very destructive to this class of insect.

***BLACK LEAF 40**

(Nicotine sulphate). One of the best remedies for this type of insects. It may be applied separately or in connection with any of the various summer sprays. Use 1 ounce in 6 gallons of water or liquid spray solution; ½ pound to 50 gallons.

Prices: Ounce, \$0.35; 5 oz., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$9.85.



Effective against aphis and plant lice on rose bushes.

Prices: 2-oz. can, \$0.50; ½-lb. can, \$1.25.

A pyrethrum compound (non-poisonous). An outstanding spray in the control of Thrip, Aphid, Red Spider, Mealy Bug, etc., in greenhouse or garden. Also effective against chewing insects. 1 oz. makes from 4 to 6 gallons of spray. Full directions with each package.

Prices: 1 oz., \$0.35; 6 oz., \$1.00; pint, \$2.00; 1 gal., \$12.00.

A non-poisonous pyrethrum spray effective against both chewing and sucking insects. Will not burn or otherwise injure fruit or tender foliage.

Prices: 1-oz. bottle, \$0.35; ¼-pint tin, \$1.00; ½-pint tin, \$1.75; 1 pint, \$3.25; quart, \$6.00; gal., \$20.00.

WILSON'S O. K. SPRAY

Extensively used by florists and gardeners for control of Aphid, Thrip, Red Spider, Etc., in conservatory or garden. Directions for use on can.

Prices: ½ pint, \$0.40; quart, \$1.00; gallon, \$3.00; 5-gal. can, \$12.00.

SLUG SHOT

Applied as a dust for destroying Slugs, Cabbage and Currant Worms and soft-body insects on plants and bushes; also efficacious against lice on poultry and animals.

Prices: 1-lb. sifter top carton, \$0.25; 5 lbs., \$0.75; 25 lbs., \$3.00.

MISCELLANEOUS INSECTICIDES, SPRAYS, Etc.

***NICO-FUME** POWDER and LIQUID. For fumigating in greenhouses to kill insect life that cannot be controlled by spraying.
POWDER—5-lb. can, \$3.35; 10-lb. can, \$5.85. LIQUID—4-lb. can, \$5.85; 8-lb. can, \$10.25.

***CYANOGEN "A"** A fine powder, which, when placed in the burrows or holes of annoying pests, forms a penetrating and asphyxiating gas. Used effectively against ants, rats, moles, woodchucks, skunks, etc. Pamphlet sent upon request. Prices: Packed in tins. $\frac{1}{2}$ lb., \$0.45; 1 lb., \$0.75; 5-lb. can, \$3.00.

***CYANOGEN "G"**: A fumigant for use in greenhouses and mushroom houses. The gas generated by this powder spells death to insects not reached by spraying. 5-lb. can, \$3.00.

CALCIUM CASEINATE is used in spraying-solutions as a spreader and sticker; it greatly increases the efficiency of the spray. Use 1 lb. to 50 gallons of spray. (Directions on package). Prices: 1½ lbs., \$0.35; 5 lbs., \$0.90.

LIQUID SPRAY SOAP. For use with pyrethrum and nicotine spray solutions,—“Evergreen,” “Red Arrow” and “Black Leaf 40.” It causes the spray to spread more evenly and to adhere to the foliage better, thereby greatly increasing the efficacy of the solution used. Prices: 5-oz. bottle, \$0.20; quart, \$0.50; gallon, \$1.50.

FISH OIL SOAP. Used as a wash or spray to rid plants of insects. 1-lb. can, \$0.25; 5-lb. can, \$1.00.

ANTROL **ANT EXTERMINATOR**. A bait of poisoned syrup is placed in small jars accessible to the “workers” who carry it to the nests, resulting in destroying the colony. Set consisting of 4 jars and bait, \$0.70; 4-oz. bottle of syrup for re-baiting, \$0.35.

***ANTROL ANT and ROACH POWDER**. For household use. Effective control if dusted about the floor, dressers, etc., where these pests appear. Prices: 2-oz. sifter-top can, \$0.25.

SNAROL Sprinkled lightly around plants and shrubs this preparation will be found effective in combating snails, cut-worms, earwigs, grasshoppers. Price: 1½-lb. carton, \$0.35.

WEED KILLER. For destroying weeds and grass on walks, drives, tennis courts, etc. Mix 1 part with 40 parts water and apply with a sprinkling can. Price: quart, \$0.60; gallon, \$1.75; 5 gallons, \$7.00.

TOBACCO DUST. For dusting on plants to destroy soft-bodied insects. Prices: 1 lb., \$0.10; 5 lbs., \$0.30; 25 lbs., \$1.00; 100 lbs., \$3.25.

TOBACCO MULCH. Cut tobacco stems. When mixed through the soil of flower beds it discourages the attacks of worms, grubs and other soil-insects. Prices: 5 lbs., \$0.25; 10 lbs., \$0.40; 25 lbs., \$0.75; 50 lbs., \$1.20; 100 lbs., \$2.25.

TOBACCO STEMS. Prices: 5 lbs., \$0.25; 25 lbs., \$0.75; Bales, \$1.60 per 100 lbs.

***P-T-B.** (Paradichlorobenzene). Effective in controlling peach tree borer. Also for killing moths in closets. Prices: 1-lb. can, \$0.40; 5-lb. can, \$1.75; 25 lbs., \$7.00.

***COPPER SULPHATE**. (Bluestone). Prices: Pound, \$0.15; 5 lbs., \$0.50; 10 lbs., \$0.90; 25 lbs., \$1.75; 50 lbs., \$3.00.

FLOWERS OF SULPHUR (For dusting). Prices: Pound, \$0.10; 5 lbs., \$0.40; 10 lbs., \$0.70; 25 lbs., \$1.50.

POWDERED SULPHUR (For dusting, but not as fine as “Flowers of Sulphur.”) Prices: 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

GRAFTING WAX. Prices: $\frac{1}{4}$ pound, \$0.20; $\frac{1}{2}$ lb., \$0.30; pound, \$0.50; 5-lb. can, \$2.00.

PRUNING COMPOUND. Apply with brush to cuts or other surface wounds of trees. Prices: Quart, \$0.65; 1 gal. can, \$2.15.

TREE TANGLEFOOT. A narrow band of this compound painted around the trunk of trees prevents the passage of caterpillars, ants, etc. 6-oz. can, \$0.25; 1-lb. can, \$0.60; 5-lb. can, \$2.75.

CONKEY'S FLY KNOCKER (For spraying horses and cows). Prices: Quart, \$0.60; 2 quarts, \$0.90; gallon, \$1.50.

CREONOID FLY SPRAY (For horses and cows). Prices: Gallon, \$1.25; 5 gallons, \$4.00.

CROTOX Protects Seed Corn against the depredation of Crows, Blackbirds, Moles, Grubworms, etc. It is non-poisonous, therefore will not kill animal-life; it repels the pests that are so destructive to seed corn after planting. Will not clog seed drills. Approximate cost 10 cents per acre to insure against replanting.
Prices: \$0.50 size treats 1 Bu. Corn; \$0.90 size treats 2 Bu. Corn.



SEMESAN SEED DISINFECTANTS

DUBAY IMPROVED. Mercuric Disinfectants for the control of diseases attacking Flower, Vegetable and Field Seeds. Cannot be mailed. The use of these Seed Disinfectants should not be considered an expense. The resultant improvement in quality and quantity of the crops is so marked as to make the initial expenditure trivial. Directions for use with each package. Descriptive circular furnished on application.

***SEMESAN** For controlling various diseases and fungoid growth affecting flower and vegetable seeds.
Prices: 2 oz., \$0.50; 1 lb., \$2.50; 5 lbs., \$11.75; 25 lbs., \$46.25.

***SEMESAN JR.** —A dust treatment for preventing and controlling the ear, root and stalk rots of field and sweet corn.
Prices: 4 oz., \$0.40; 1 lb., \$1.50; 5 lbs., \$7.00.

***SEMESAN BEL.** —A dip treatment for control of diseases common to white potatoes and the bulbous roots of flowers.
Prices: 4 oz., \$0.50; 1 lb., \$1.75; 5 lbs., \$8.00.

***CERESAN** —Dust treatment for control of bunt and smut in Wheat, Oats, Barley and Rye. 1-lb. can, \$0.75.

Sprayers

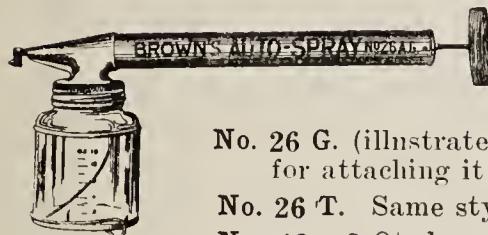
COMPRESSED AIR SPRAYERS

| | |
|--|--------|
| NO. 9 "AUTO SPRAY," 4-gal. copper tank, complete as illustrated..... | \$8.75 |
| NO. 9 "AUTO SPRAY," 4-gal. galvanized tank | 5.75 |
| NO. 50 "AUTO SPRAY," 2-gal size, brass tank | 7.00 |
| NO. 50 "AUTO SPRAY," 2-gal size, galvanized tank | 4.75 |
| NO. 91 "BLUE RIBBON," 3½-gal. galvanized tank | 4.75 |

ADDITIONAL LENGTHS OF BRASS PIPES for use
with any of the above pumps 0.60



WHEELBARROW SPRAYERS Prices on application.



CONTINUOUS SPRAY HAND ATOMIZERS

Equipped with 2 nozzle caps,—straight and angle

No. 26 G. (illustrated). The one-quart reservoir is made of strong glass with standard fruit jar thread for attaching it to the pump,—one of the valuable features of this sprayer. Price, \$1.00.

No. 26 T. Same style of pump as No. 26 G., with tin reservoir. Price, \$0.75.

No. 23. 3-Qt. brass tank. Pump action and nozzle caps same as on No. 26. Price, \$2.00.

DU-SPRAY Continuous Atomizer. Throws a steady, mist-like spray. Ideal for use in house and garden.
Pint reservoir. Price, \$0.45.

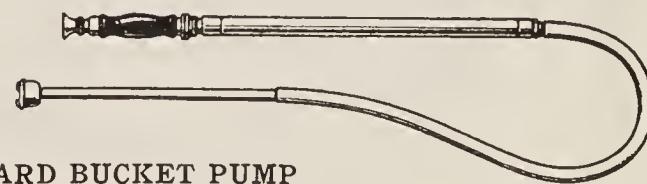
SINGLE ACTION ATOMIZERS

This type of pump gives a spray with each forward stroke of the plunger.

"WHIRLWIND." Tin reservoir with return drip cup. Capacity about 1 quart. Single spray jet. Price, \$0.35.

"TWIN BLAST." Has twin spray jets and return drip cup. Price, \$0.60.

RUBBER "SPRA-BULB." May be used for liquid or powder. Useful for potted house plants and in the laundry. Price, \$0.50.



STANDARD BUCKET PUMP

A powerful all-brass pump with brass ball valves. Several nozzle caps adapt it to a variety of spray purposes, including whitewashing. Price, \$3.00.

INSECTICIDE DUSTERS

Brown's Crystal Powder Duster, reservoir capacity 1 qt. Price..... \$1.00

Platz Bellows Powder Duster. Capacity 4 to 6 lbs. Price..... 6.00



DEMING BARREL SPRAY PUMPS

Century Barrel Sprayer. (Illustrated). This pump develops sufficient pressure to feed 2 leads of hose. Prices, with 12½-ft. hose and nozzle, \$13.00; with 2 leads of hose and 2 nozzles, \$17.00.

Two-way stop cock for use with 2 leads of hose, \$2.50 additional.

Major Barrel Sprayer, including 12½-ft. hose and nozzle. Capacity of 1½ to 2 gal. per minute under 150 to 200 lbs. pressure. Price, \$10.00.

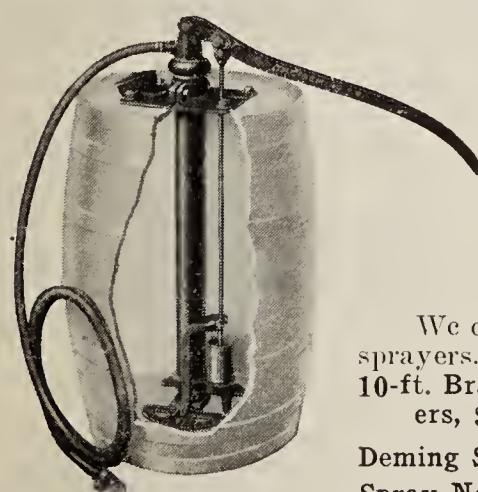
SPRAYER ACCESSORIES

We carry, in addition to the articles listed below, a large variety of small repair parts for sprayers. Examine your pump before spraying time to see if it is in good working order.

10-ft. Brass Extension Pipe (Bamboo covered), with stop cock, for Barrel and Power Sprayers, \$4.25.

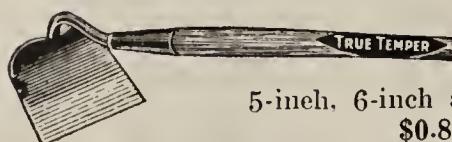
Deming Spray Hose, 12½-ft. section with couplings only, \$3.00.

Spray Nozzles, Bordo, \$1.00; Demorel, \$0.75; Simplex Straight, \$0.60; Simplex Angle, \$0.65. Nozzle for Garden Hose, adjustable to solid stream, coarse or fine spray, \$0.75.



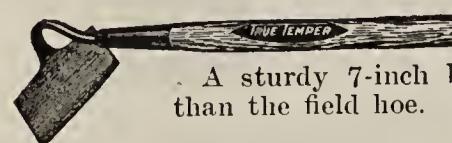
LAWN AND GARDEN TOOLS

An inspection of our assortment of garden tools will show that in making our selections we have been guided by dependable quality rather than by an effort to offer articles at a low price. Should you not find here the kind of tool for which you are looking, we may be able to procure it for you.



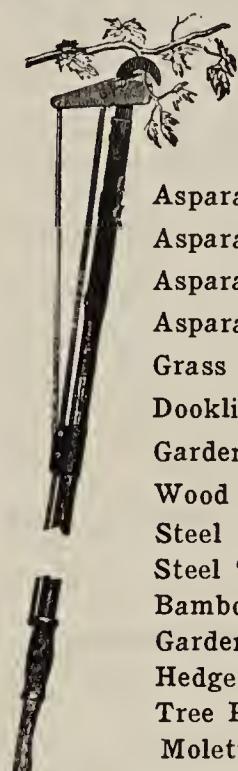
Field and Garden Hoes

5-inch, 6-inch and 7-inch blades.
\$0.80 each.

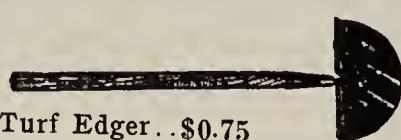


Featherweight Hoe

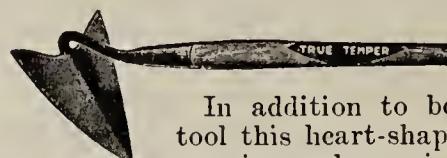
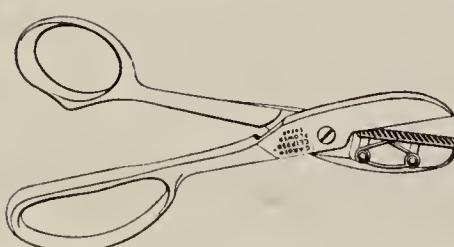
A sturdy 7-inch blade of lighter weight than the field hoe. Price, \$0.80.



Turf Edger.. \$0.75



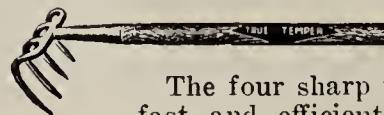
| | |
|--|-------------------|
| Asparagus Knife | \$0.35 and \$0.45 |
| Asparagus Buncher | 3.00 |
| Asparagus Tape, 1000 yard spool..... | 2.35 |
| Asparagus Braid, 1000 yard spool | 1.50 |
| Grass Hook (Sickle) | .60 |
| Dooklip Grass Shears | 1.20 |
| Garden Rakes, steel tooth | \$0.85 and 1.15 |
| Wood Tooth Lawn Rake | .60 |
| Steel "Brumerake" | .80 |
| Steel "Lawncomb" Rake | .90 |
| Bamboo Lawn Rakes | .30 |
| Garden Pruning Shears | 1.00 |
| Hedge Shears | 1.65 |
| Tree Pruning Knives | \$1.50 to 2.00 |
| Moletrap | 1.00 |
| Fountain Lawn Sprinkler | .80 |



Warren Hoe

In addition to being a good cultivating tool this heart-shaped hoe is very useful in opening and covering seed furrows.
Price \$1.20.

Onion Hoe. A dual hoe with a 3½-inch blade on one edge while the reverse is in two patterns, one having a single pointed prong and the other two prongs, \$0.70.



Speedy Cultivator

The four sharp prongs of this tool make it a fast and efficient worker in the garden and around shrubbery. Price, \$0.85.

| | |
|---|-----------------|
| Galvanized Wire Fruit Picker | \$0.50 |
| Invincible Cultivator, 5-tooth | .90 |
| Garden Spades | \$1.25 and 1.40 |
| Spading Forks, 4-prong | 1.40 |
| Magic Weeder, four styles..... | \$0.20 to .65 |
| Garden Weeder, 5 finger | .20 |
| Garden Trowels | \$0.20 and .25 |
| Reichard "Hoe-Trowel" | .25 |
| Watering Cans6-qt., \$0.70; 10-qt., | .85 |
| Caterpillar Torch, with 10-ft. metal pole | 2.00 |
| Caterpillar Torch, without pole..... | 1.00 |
| Japanese Beetle Traps. Several sizes and styles carried in stock. Also bait for traps and iron trap-supports. | |



ACME FLOWER SCISSORS

A one-hand operation in gathering flowers. A clamp attachment holds the stem after it is cut. A handy tool at a price within the reach of every flower gardener. Price, \$0.60.

Bird's IMPROVED NEPONSET Flower Pots

Made of a tough, moisture proof paper. Extensively used by florists, gardeners and nurserymen.

| | Doz. | 100 | Carton of |
|---------------|--------|--------|-------------|
| 2 inch | \$0.10 | \$0.50 | 1000 \$4.00 |
| 2½ inch | .10 | .60 | 1000 4.75 |
| 3 inch | .15 | .75 | 1000 6.00 |
| 3½ inch | .15 | .90 | 1000 7.50 |
| 4 inch | .18 | 1.10 | 500 4.50 |
| 6 inch | .25 | 1.75 | 500 7.50 |

VIGORO SPREADERS

For applying fertilizers, grass seed, sand, etc. on lawns. Easy running, with mechanical forced feed, and a gate-valve to regulate quantity.

| | |
|---|--------|
| Model B, Capacity 13 lbs. fertilizer..... | \$2.85 |
| Junior, Capacity 35 lbs. fertilizer | 5.75 |

Made from imported hides specially processed to render them soft and pliable, giving almost bare-handed freedom with all-leather protection. Ideal for work in garden, around garage, heater, etc. Dirt-proof; durable; washable. Sizes for men and women. Price, \$0.75 a pair.



HEAVY GLOVES

for Farm and Garden work. Men's size only.

Heavy Goatskin, \$0.50; Leather with cotton back, \$0.25.

ROUND TAPERING PLANT STAKES



For supporting Dahlias, Rose Bushes, Chrysanthemums, etc. Painted green.

| Light Weight | | Heavy Weight | | | |
|--------------|--------|--------------|-------|--------|--------|
| | Dozen | 100 | Dozen | 100 | |
| 1 1/2 ft. | \$0.25 | \$1.50 | 3 ft. | \$1.20 | \$8.50 |
| 2 ft. | .40 | 2.75 | 4 ft. | 1.60 | 11.50 |
| 2 1/2 ft. | .50 | 3.75 | 5 ft. | 1.90 | 15.00 |
| 3 ft. | .70 | 4.80 | 6 ft. | 2.30 | 17.75 |

BAMBOO PLANT STAKES

Pencil thickness. Stained green. Light, strong and attractive.

| Length | 100 | 1000 |
|--------|-------|--------|
| 18 in. | \$.35 | \$2.50 |
| 36 in. | .50 | 4.00 |

CHINESE TONKINS

These stakes are of bamboo type, about $\frac{1}{2}$ inch to $\frac{3}{4}$ inch diameter; light and very strong.

| | Dozen | 100 |
|-------|--------|--------|
| 4 ft. | \$0.40 | \$2.75 |
| 6 ft. | .70 | 4.50 |

Price per 1000 on application.

CEDAR BEAN POLES

Unpeeled, offering a rough surface to which the vines can cling. Will last for years. 8 ft. long. Pointed butts. \$1.50 per Doz.; \$10.00 per 100.

PLAIN WOODEN LABELS

| | Doz. | 100 | 1000 |
|-----------------------------------|--------|--------|--------|
| Tree Labels with copper wires.... | \$0.08 | \$0.40 | \$3.00 |
| Pot Labels, 4 inches long | .05 | .35 | 2.50 |
| Pot Labels, 6 inches long | .08 | .40 | 3.00 |
| Pot Labels, 10 inches long | .15 | .80 | 6.50 |

SIMPLEX WEATHERPROOF PLANT LABELS

A weatherproof material, the marking surface having a transparent covering, making the writing visible yet protected from erasure. Has a copper wire for attaching it to the plant.

| Sizes | Doz. | 25 | 50 |
|---|--------|--------|--------|
| No. 1. $\frac{1}{2} \times 3$ inches..... | \$0.40 | \$0.80 | \$1.50 |
| No. 2. $\frac{3}{4} \times 4$ inches..... | .65 | 1.30 | 2.50 |
| No. 3. 1 x 5 inches..... | .90 | 1.80 | 3.50 |

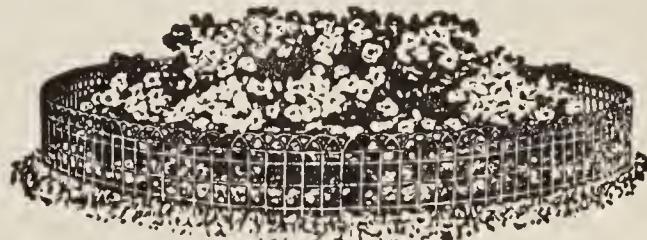
CEL-O-GLASS

REG. U.S. PAT. OFF.
U.S. PATENT 1,580,287

There is but one genuine "Cel-O-Glass" and the name is printed all along one edge of the material; do not accept inferior substitutes. A fine wire cloth covered with a translucent, flexible material that will not peel or break. Light and strong. Keeps out wind and storms; admits light, and transmits the warm ultra violet rays of the sun. Can be cut with shears. The new product is stronger and more durable than ever; if punctured it can be mended. Use in place of glass for hotbed sash, greenhouse, skylights, poultry houses, porches, etc. Sample and circular on application.

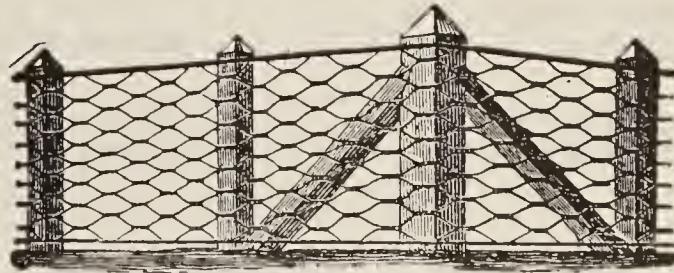
| | |
|---------------------------|---------|
| 36 inch width | |
| 100 ft. roll | \$40.50 |
| 50 ft. roll | 20.30 |
| 25 ft. roll | 10.20 |
| Less @ 45c per lineal ft. | |

FLOWER BED FENCING



Made of galvanized heavy wire, 16 inches high. Extensively used around flower beds, shrubbery, grass plots, etc. 8 cents per foot; 100-ft. roll, \$5.00.

HEXAGON POULTRY WIRE



| Cut Lengths | Per Roll |
|-------------|----------|
| 25 Ft. | 150 Ft. |
| 50 Ft. | |
| 100 Ft. | |
| 1-in Mesh | |
| 12 in. wide | \$2.30 |
| 18 in. wide | 3.30 |
| 24 in. wide | 4.15 |
| 30 in. wide | 4.90 |
| 36 in. wide | 5.65 |

| | | | | |
|-----|------|------|-------------|------|
| .40 | .75 | 1.40 | 24 in. wide | 1.90 |
| .55 | 1.00 | 1.90 | 36 in. wide | 2.50 |
| .70 | 1.30 | 2.50 | 48 in. wide | 3.35 |

| | | | | |
|-----|------|------|-------------|------|
| .85 | 1.50 | 2.90 | 60 in. wide | 4.15 |
| .95 | 1.80 | 3.65 | 72 in. wide | 5.00 |

(One pound staples free with each full roll of wire)

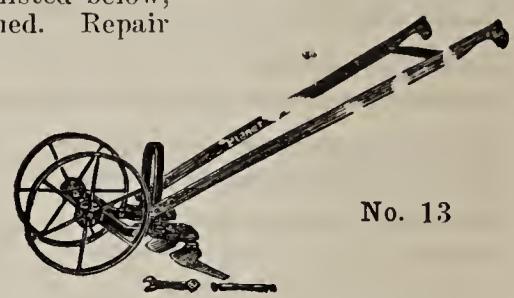
GALVANIZED STAPLES, 10 cents per lb.

PLANET JR. SEEDERS AND CULTIVATORS

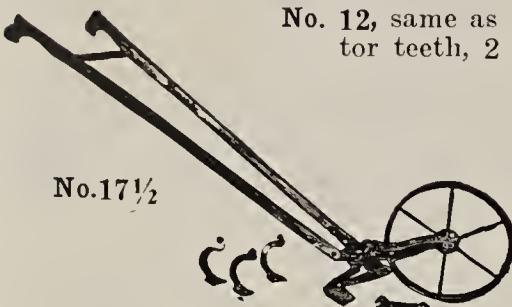
The efficiency of these labor-saving tools is so well known as to need no further introduction to the experienced gardener and trueker. We carry in stock those numbers listed below, together with extra tools to supplement the equipment as regularly furnished. Repair parts secured promptly from the factory. A Planet Jr. catalogue will be sent on request, from which other styles of tools may be had on order.

No. 13 Double Wheel Cultivator (convertible to a Single Wheel tool). Equipment, one pair of 6-inch hoes. Price, \$7.00.

No. 12, same as **No. 13** but with the addition of 4 cultivator teeth, 2 plows and 2 leaf lifters. Price, \$9.50.



No. 13



No. 17 1/2

No. 18 has one pair of 6-inch hoes. Price, \$5.00.
No. 17 1/2, one pair 6-inch hoes, 3 cultivator teeth. Price, \$6.00.
No. 17, one pair 6-inch hoes, 3 cultivator teeth and one plow. Price, \$6.80.
No. 19 at \$4.50, and **No. 119** at \$4.00, are two other popular Single Wheel Cultivators.

SINGLE WHEEL CULTIVATORS

SEEDERS

No. 25 Hill and Drill Seeder, and equipped for use as a Single or Double Wheel Cultivator. Price complete, \$17.75.
No. 4 Hill and Drill Seeder, with tools to use as a Single Wheel Cultivator. Price complete, \$15.50.
No. 4D, Seeder only (no cultivating tools). Price, \$11.50.

Planet Jr. Fire Fly Plow, \$3.60

Planet Jr. Grass Edger, \$1.50

Planet Jr. Star Pulverizer, \$2.75

LEG BANDS FOR POULTRY

State breed of fowl on which bands are to be used.

| | Doz. | 25 | 50 | 100 |
|------------------------------|--------|--------|--------|--------|
| Celluloid Bands, in colors.. | \$0.10 | \$0.20 | \$0.30 | \$0.50 |
| Aluminum, in colors | .10 | .20 | .35 | .65 |

KNIVES FOR KILLING POULTRY

Made of instrument steel; several patterns.

Poultry Knives 60 cents postpaid
 Pigeon Knife 75 cents postpaid

MARKING PUNCHES \$0.15 and \$0.25
 CHINA NEST EGGS 30 cents per dozen

PARTS FOR INCUBATORS AND BROODERS

| | |
|---|-----------------------------------|
| SMOKE PIPE..... | Black, \$0.20; Galvanized, \$0.25 |
| ELBOWS, galvanized, 4- and 5-inch..... | .25 |
| ROOF SADDLE, galvanized; adjustable to slope | 1.25 |
| RAIN CAPS, galvanized, for 4- and 5-inch pipes.. | .35 |
| INCUBATOR THERMOMETER, mounted | 1.00 |
| BROODER THERMOMETER, unmounted..... | .75 |
| LAMP BOWLS for Incubators | .60 |
| LAMP BURNERS | Prices, 40c, 50c, 65c and 75c |
| LAMP CHIMNEY (give diameter and height).... | .50 |
| WICKS for Blue Flame Oil Burner..... | \$0.35 and .50 |
| Wafer Thermostat for Brooders, 3-inch, \$0.35; 5-inch | .70 |
| EGG TESTER | .25 |

CARBOLA

A powdered white mineral paint combined with a powerful germicide. Kills parasites and disease germs. Better than whitewash. Simply mix with water to the consistency of whitewash and apply with brush or spray pump. Ten pounds makes sufficient paint to cover about 1000 sq. ft. of surface.

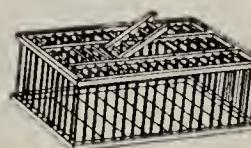
| | | | |
|--------------------|--------|-----------------|--------|
| 5 lb. package.... | \$0.75 | 25 lb. bag..... | \$2.50 |
| 10 lb. package.... | 1.20 | 50 lb. bag..... | 4.50 |

PEAT MOSS LITTER

Spread evenly to the depth of an inch for chicks, and three or four inches thick for adult fowls. We can supply either coarse or fine shredding.

25-lb. bag, \$0.75; small bale, \$1.20; large bale, \$2.00.

ROUND ROD SHIPPING COOPS



Made of Hard Wood

Chicken Size, 14 in. high....\$1.10

Turkey Size, 20 in. high.... 1.40

Special price on 10 or more coops.

PAPER EGG BOXES

Used by poultrymen and tradesmen in delivering eggs to customers. Capacity, 12 eggs.

One dozen boxes, \$0.15 125 boxes for \$1.10

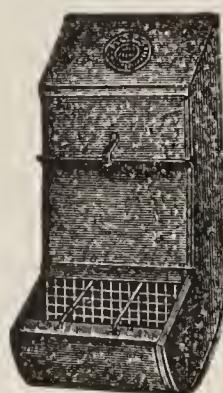
Bundle of 250 boxes, \$2.00

Special price quoted in lots of 1000 or over.

GALVANIZED FOOD HOPPERS

Nos. 1 to 5

| For Grit, Shell, Grain, Charcoal, etc | Each | Six |
|---------------------------------------|--------|--------|
| No. 1—4 Qt., 3 spaces..... | \$0.60 | \$3.00 |
| No. 2—8 Qt., 2 spaces..... | .50 | 3.00 |
| No. 3—4 Qt., 1, 2 or 3 spaces | .60 | 3.00 |
| No. 4—8 Qt., 1, 2 or 3 spaces | 1.00 | 5.50 |
| No. 5—5 Qt., 4 spaces..... | .85 | 4.50 |

GALVANIZED DRY MASH HOPPERS

| | | |
|--------------------|--------|--------|
| No. 6—8 Qt. | \$1.00 | \$6.00 |
| No. 7—12 Qt. | 1.50 | 9.00 |
| No. 8—24 Qt. | 2.00 | 12.00 |
| No. 30—2 Bus | 6.50 | |

Nos. 6-7-8

GALVANIZED FEEDING TROUGHES

May be used for grain or mash feeds



Nos. 21-22-23



| | Length | Capacity | Each | Doz. |
|--------------|--------|----------|--------|--------|
| No. 21 | 12 in. | 1½ Qt. | \$0.30 | \$3.00 |
| No. 22 | 18 in. | 3 Qt. | .40 | 4.00 |
| No. 23 | 24 in. | 4 Qt. | .50 | 5.00 |



| | Length | Capacity | Each | Doz. |
|--------------|--------|----------|--------|--------|
| No. 56 | 18 in. | 1½ Pts. | \$0.30 | \$3.50 |
| No. 57 | 24 in. | 1 Qt. | .35 | 4.00 |



| | Length | Capacity | Each | Doz. |
|---------------|--------|----------|--------|--------|
| No. 58 | 12 in. | 1 Qt. | \$0.25 | \$2.50 |
| No. 59 | 18 in. | 1½ Qt. | .35 | 3.50 |
| No. 60 | 24 in. | 2 Qt. | .45 | 4.50 |
| No. 76 | 36 in. | 3 Qt. | .60 | 6.00 |
| No. 140 | 21 in. | 8 Qt. | .75 | |
| No. 141 | 35 in. | 16 Qt. | 1.25 | |
| No. 459 | 24 in. | | .45 | 4.50 |
| No. 463 | 36 in. | | .60 | 6.00 |
| No. 464 | 48 in. | | .80 | 8.00 |

SANITARY DRINKING FOUNTS

All our founts open to permit thorough cleansing.

| | Capacity | Each | Doz. |
|----------------------------|----------|--------|--------|
| Stone Fount | 1 Qt. | \$0.35 | \$3.50 |
| Stone Fount | 2 Qt. | .40 | 4.00 |
| Stone Fount | 4 Qt. | .50 | 5.00 |
| Stone Fount | 8 Qt. | .80 | 8.00 |
| Cone Fount | 1 Qt. | .25 | 2.50 |
| Cone Fount | 2 Qt. | .35 | 3.50 |
| No. 30 Fount | 4 Qt. | .50 | 5.00 |
| Gem Fount No. 158 | 4 Qt. | .50 | 5.00 |
| Gem Fount No. 159 | 8 Qt. | .70 | 7.00 |
| Duplex Fount No. 210 | 4 Qt. | .85 | 9.00 |
| Duplex Fount No. 212 | 8 Qt. | 1.00 | 11.00 |
| Twin Duplex Fount | 8 Qt. | 1.20 | |
| Mammoth Twin Duplex .. | 5 Gal. | 2.00 | |
| Leader Fount, No. 200 | 1½ Gal. | .70 | |
| Leader Fount, No. 202 | 3 Gal. | 1.25 | |
| Colony Fount, No. 250 | 3 Gal. | 1.40 | |
| Colony Fount, No. 252 | 5 Gal. | 1.80 | |

MASON JAR FOUNTS

(Sauveers to fit Mason jars)

Round and Star-Shaped Saucers, of rust-resisting metal.
10 cents each; 3 for 25 cents; Doz., \$0.80.

ROYAL JAR FOUNT. A saucer of heavy glass to be used on Mason jar. A type essential to serving buttermilk, medicinally-treated water, etc.

15 cents each; 2 for 25 cents; Doz., \$1.40

RABBIT FEEDERSGlazed earthenware in three styles, for food or water.
Each, \$0.20; Doz., \$1.75**METAL BROOD COOP**

Galvanized all-metal coop to house the hen with her brood. Price, \$1.50.

THE CONKEY CHAIN
OF BUTTERMILK FEEDS WITH "Y-O"

The Feeds with the Wonderful Vitalized Yeast and Cod Liver Oil

Carrying Vitamins A, B and D

**CONKEY'S STARTING FEED
FOR CHICKS**

| | |
|----------------------|--------|
| 5 lb. package | \$0.25 |
| 10 lb. package | .45 |
| 25 lb. bag | .85 |
| 50 lb. bag | 1.60 |
| 100 lb. bag | 3.10 |

**TURKEY STARTING AND
GROWING MASH With Y-O**

| | |
|---|--------|
| A special feed for Turkeys right from the shell | |
| 25 lb. bag | \$0.85 |
| 50 lb. bag | 1.65 |
| 100 lb. bag | 3.20 |

CONKEY'S GROWING MASH

| | |
|-------------------|--------|
| 10 lb. bag | \$0.40 |
| 25 lb. bag | .80 |
| 50 lb. bag | 1.45 |
| 100 lb. bag | 2.80 |

CONKEY'S LAYING MASH

| | |
|-------------------|--------|
| 10 lb. bag | \$0.40 |
| 25 lb. bag | .75 |
| 50 lb. bag | 1.40 |
| 100 lb. bag | 2.75 |

Prices on Larger Quantities Quoted on Application

MIXED GRAIN POULTRY FEEDS

Selected, sound grains—whole or cracked to proper size—mixed from well balanced formulas for fowls of various ages. Chick Grains are fed for the first six or eight weeks, followed by Developing Grains for a similar period until fowls are large enough to eat Scratch Grains.

| | ½ Pk. | ½ Bu. | 50 Lb. | 100 Lb. |
|--|--------|--------|--------|---------|
| P.T CHICK GRAINS | \$0.20 | \$0.55 | \$1.05 | \$2.00 |
| P-T DEVELOPING GRAINS | .20 | .55 | 1.00 | 1.90 |
| P-T SCRATCH GRAINS | .20 | .55 | 1.00 | 1.90 |
| CHRISTINA BRAND SCRATCH GRAINS (100 lb. bags only) | | | | 1.80 |

CROWN PIGEON FEED

| | |
|-------------------|--------|
| ½ pk. bag | \$0.25 |
| ½ bu. bag | .75 |
| 50 lb. bag | 1.20 |
| 100 lb. bag | 2.30 |

SPECIAL PIGEON FEED

Contains No Corn

| | |
|-------------------|--------|
| 10 lb. bag | \$0.40 |
| 25 lb. bag | .80 |
| 50 lb. bag | 1.45 |
| 100 lb. bag | 2.80 |

Prices on Larger Quantities Quoted on Application

MISCELLANEOUS GRAINS

| Qt. | Pk. | | Bushel |
|--------|--------|-------------------------------|-----------------|
| \$0.10 | \$0.60 | Chicken Millet (Yellow) | (50 lb.) \$2.00 |
| .10 | .60 | Pigeon Millet (Red) | (50 lb.) 1.70 |
| .08 | .30 | Kafir Corn | (56 lb.) .90 |
| .15 | 1.00 | Canada Field Peas | (60 lb.) 3.60 |
| .10 | .70 | No. 2 Pigeon Peas | (60 lb.) 2.40 |
| .15 | .90 | Sunflower | (25 lb.) 2.50 |
| .10 | .60 | Hemp Seed | (40 lb.) 1.80 |
| .15 | .90 | Canary Seed | (60 lb.) |
| .15 | .90 | Bird Rape | (50 lb.) 3.00 |
| .08 | .50 | Hulled Oats | (50 lb.) 1.60 |
| .15 | .85 | Cracked Rice | (70 lb.) 2.70 |
| .15 | .90 | Feeding Vetch | (60 lb.) 3.20 |

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

**ROTEX CHICK STARTING
AND GROWING MASH**

A balanced Chick Mash to be fed for the first 3 or 4 months. Prepared from Cereals, Meat Meal, Milk, Minerals and Cod Liver Oil.

| | |
|---------------|--------|
| 10 lbs. | \$0.35 |
| 25 lbs. | .65 |
| 50 lbs. | 1.20 |
| 100 lbs. | 2.35 |

RED SEAL LAYING MASH

A Conkey product. Ground cereals, meat meal and bone, buttermilk, minerals and cod liver oil.

| | |
|---------------|--------|
| 25 lbs. | \$0.65 |
| 50 lbs. | 1.20 |
| 100 lbs. | 2.35 |

UNIVERSAL LAYING MASH

Composed of Ground Cereals, Meat-meal and Buttermilk.

| | |
|-------------------|--------|
| 5 lb. bag | \$0.15 |
| 20 lb. bag | .50 |
| 50 lb. bag | 1.05 |
| 100 lb. bag | 2.00 |

FATTENING MASH

A balanced ration for crate-feeding of poultry for market.

| | |
|---------------|--------|
| 25 lbs. | \$0.65 |
| 50 lbs. | 1.20 |
| 100 lbs. | 2.35 |

POULTRY CHARCOAL

Sizes: Coarse, Medium, Fine and Pulverized

| | |
|------------------------|--------|
| ½ pk. package | \$0.15 |
| ½ bu. bag | .40 |
| 1 bu. bag | .65 |
| 50 lb. lined bag | 1.00 |

LUMP CHARCOAL

| | |
|------------------|--------|
| 10 lbs. | \$0.40 |
| 25 lbs. | .75 |
| 40 lb. bag | .90 |

**CONDENSED or SEMI-SOLID
BUTTERMILK**

| | |
|-------------------------------|--|
| 1 gal. pail | |
| 65 lb. drum | |
| 100 lb. drum | |
| 250 lb. drum | |
| Barrel (about 500 lbs.) | |
| (Prices on Application) | |

COD LIVER OIL

Vitamin Tested

| | |
|--------------------|--------|
| Quart can | \$0.50 |
| Gallon can | 1.40 |
| 5-Gallon can | 5.50 |



A scientifically balanced ration consisting of cooked lean beef, dried sweet milk, vegetables, cereals, minerals, etc., making a palatable food with every essential element for growth and health for all breeds of dogs and puppies. Prepared in two ways—as Meal and in the shape of pellets about the size of a thimble (called "Krunchon").

| Meal | Krunchon |
|--------|------------------------|
| \$0.45 | 5 lb. bag \$0.45 |
| .80 | 10 lb. bag80 |
| 1.65 | 25 lb. bag 1.65 |
| 3.10 | 50 lb. bag 3.20 |
| 6.00 | 100 lb. bag 6.25 |

DOG BISCUITS

Old Grist Mill Brand

| | |
|-------------------|--------|
| 1 lb. | \$0.10 |
| 5 lb. bag | .40 |
| 25 lb. bag | 1.70 |
| 50 lb. bag | 3.30 |
| 100 lb. bag | 6.50 |

MISCELLANEOUS FEEDS

| | | 25 lbs. | 50 lbs. | 100 lbs. |
|--|---------------------|--------------------|---------|----------|
| Alfalfa, Fine Ground | | \$0.55 | \$1.00 | \$1.85 |
| Alfalfa, Leaf Meal | | .65 | 1.20 | 2.25 |
| Short Cut Alfalfa | | .50 | .90 | 1.60 |
| H-P Beef Scrap(10 lb. \$0.30) | | .70 | 1.20 | 2.25 |
| Crushed Oyster Shell (2 sizes) (8 lb. .10) | | .25 | .40 | .75 |
| Grit (2 sizes)(8 lb. .10) | | .25 | .45 | .80 |
| Blatchford's Calf Meal | | 1.25 | 2.40 | 4.75 |
| Digester (Hog) Tankage | | | | |
| Flaked Buttermilk(10 lb. .90) | | 1.90 | 3.75 | 7.40 |
| Powdered Skim Milk(10 lb. .90) | | 1.90 | 3.70 | 7.25 |
| CRACKED CORN | MIDDLING | | | |
| CORN FEED MEAL | BEET PULP | | | |
| HOMINY MEAL | MALT SPROUTS | | | |
| GLUTEN MEAL | DAIRY FEEDS | | | |
| COTTONSEED MEAL | HORSE FEEDS | | | |
| OIL CAKE MEAL | OATS | | | |
| BRAN | CORN | | | |
| SALT—All grades and for all purposes. | | | | |
| | | RYE | | |
| | | BARLEY | | |
| | | WHEAT | | |
| | | BUCKWHEAT | | |
| | | BALED HAY | | |
| | | BALED STRAW | | |

RABBIT FEEDS AND ACCESSORIES

DOMINO RABBIT PELLETS

These pellets are about the size of a large pea. They are composed of various cereals that have been reduced to meal, cod liver oil, buttermilk and other ingredients to make a properly balanced food.

| | |
|-------------------|--------|
| 10 lb. bag | \$0.35 |
| 25 lb. bag | .70 |
| 50 lb. bag | 1.35 |
| 100 lb. bag | 2.65 |

RABBIT CUT ALFALFA

This hay is specially selected for rabbit feeding and cut into small pieces which makes it easy to feed.

| | |
|------------------|------|
| 25 lb. bag | .60 |
| 50 lbs. | 1.00 |
| 100 lbs. | 1.90 |

BUNNY SALT SPOOLS

Essential to the diet of rabbits; there should be one in each hutch at all times.

| | |
|-------------|--------|
| Dozen | \$0.40 |
| 100 | 3.00 |

STONEWARE RABBIT FEEDERS

Three different styles of crocks, nicely glazed inside and out. Sanitary receptacles in which to place food and water for rabbits, dogs, guinea pigs, etc.

| | |
|-------------|--------|
| Each | \$0.20 |
| Dozen | 1.75 |

FEEDING MOLASSES

Used for mixing with stock feeds. Palatable and very nutritious. Also used on the foliage of evergreens to destroy certain kinds of worms and insect pests. 5-Gal. cans to 50-Gal. barrels.

Prices on application.

MICA AXLE GREASE

The old reliable lubricant for wagons, carts, etc.

| | |
|-------------------|--------|
| 1 lb. can | \$0.15 |
| 3 lb. can | .40 |
| 10 lb. pail | 1.00 |

BERRY BOXES

Quart and pint cups in season. Prices quoted on application.

TARRED FODDER YARN

In bale lots or smaller quantity. Prices quoted on application.

CONDITION POWDERS, REMEDIES, ETC.

| | | | | | |
|---|--------|--------|--------|--------|------------|
| CONKEY'S "Old Reliable" Powder (Roup) | \$0.25 | \$0.50 | \$1.00 | \$2.35 | (Postpaid) |
| CONKEY'S Poultry Pills (Roup) | .25 | .50 | | | (Postpaid) |
| CONKEY'S "Diatabs" (Diarrhea Remedy) | .25 | .50 | 1.00 | | (Postpaid) |
| CONKEY'S "Salvo" (Sorehead Remedy) | .25 | .50 | | | (Postpaid) |
| CONKEY'S Scaly Leg Remedy | .25 | | | | (Postpaid) |
| CONKEY'S Salve for Fleas (Sticktight) | .25 | | | | (Postpaid) |
| CONKEY'S Limberneck Remedy | | .50 | | | (Postpaid) |
| CONKEY'S "Balmo" (Canker Remedy) | | .50 | | | (Postpaid) |
| CONKEY'S Poultry Worm Powder | .25 | .50 | | | (Postpaid) |
| CONKEY'S "Nikala" Capsules (for worms in poultry), \$0.25; \$0.50; \$1.00. | | | | | |
| CONKEY'S Noxicide (Disinfectant), 1 pint, \$0.40; 1 qt., \$0.60; 2 qts., \$0.90; 1 gal., \$1.50; 5 gals., \$6.75. | | | | | |
| CONKEY'S Fly Knocker, 1 qt., \$0.60; 2 qts., \$0.90; 1 gal., \$1.50; 5 gals., \$7.00. | | | | | |
| CONKEY'S Poultry Tonic (powder), 1½ lbs., \$0.25; 3¼ lbs., \$0.50; 7 lbs., \$1.00. | | | | | |
| CONKEY'S Y-O (Yeast and Cod Liver Oil), 1 lb., \$0.50; 2 lbs., \$0.90; 5 lbs., \$1.60; 25 lbs., \$5.45. | | | | | |

DR. HESS Poultry Panamin, 1½ lbs., \$0.25; 3 lbs., \$0.45; 7 lbs., \$0.85; 15 lbs., \$1.75; 25 lbs., \$2.50.
 DR. HESS Improved Stock Tonic, 1½ lbs., \$0.25; 3 lbs., \$0.45; 5 lbs., \$0.65; 15 lbs., \$1.75; 25 lbs., \$2.50.

DR. HESS Special Hog Tonic, 3 lbs., \$0.45; 7 lbs., \$0.85; 15 lbs., \$1.75.

DR. HESS Medicated Healing Powder (for sores), \$0.25 and \$0.50.

DR. HESS Heave Powder, \$0.50.

DR. HESS Udder Ointment, \$0.50.

DR. HESS Vermitrol Poultry Worm Powder, \$0.45; \$1.00; \$2.25.

DR. HESS Chick Diarrhea Tablets, \$0.25; \$0.50.

DR. HESS Poultry Roup Tablets, \$0.25; \$0.50.

DR. HESS Dip and Disinfectant, 12-oz. bottle, \$0.35; 1-qt. can, \$0.60; 1 gal., \$1.60.

DR. HESS Fly Chaser, ½-gal. can., \$0.80; 1-gal. can., \$1.50.

DR. HESS Saponified Cresol Solution (Stable Disinfectant), 1-gal. can, \$1.80; 5-gal. can, \$8.50.

PRATT'S Poultry Regulator, 24 oz., \$0.25; 4 lbs., \$0.50; 12 lbs., \$1.40; 25-lb. bag, \$2.60.

PRATT'S Animal Regulator, \$0.25 and \$0.50.

PRATT'S "N K" Capsules for worms in poultry. Chick size, \$0.65; Poultry size, 50 for \$0.75; 100 for \$1.00.

PRATT'S Chick Diarrhea Tablets, \$0.25.

PRATT'S "R-P" (Roup) Tablets, \$0.25. Roup Powder, \$0.25.

WALKO POULTRY TABLETS (for Roup. Colds, Etc.), \$0.50 and \$1.00, postpaid.

POUL-TOBAC. For round worms in poultry. 2-lb. carton. \$0.25; 10 lbs., \$0.75; 25 lbs., \$1.50.

BLACK LEAF WORM POWDER, (for Round Worms in Poultry), \$1.00.

KOW KARE (formerly Kow Kure), 1¼ lbs., \$0.65; 2¾ lbs., \$1.25 (Postage extra).

BAG BALM, for sore teats, strictures, etc., \$0.60.

DOG SOAP (for lice and fleas on cats and dogs), \$0.35 per cake.

LICE REMEDIES

CONKEY'S LICE OINTMENT, 1 oz., \$0.10; 3 oz., \$0.25.

CONKEY'S LICE LIQUID, qt., \$0.60; 2 qts., \$0.90; gal., \$1.50.

CONKEY'S LICE POWDER, 15 oz., \$0.35; 48 oz., \$0.75.

CARBOLA, A disinfecting white paint. Prices on Page 20.

PRATT'S LICE POWDER, 1 lb., \$0.25.

DR. HESS' LICE POWDER, 1 lb., \$0.25; 2½ lbs., \$0.50.

TOBACCO STEMS, 5 lbs., \$0.25; 25 lbs., \$0.75; bales (about 100 lbs.), \$1.60 per 100 lbs.

BLACK LEAF "40" painted on the perch poles just before fowls go to roost is an easy and effective method of ridding the birds of body lice. The "Black Leaf" fumes penetrate among the feathers, causing the lice to fall to the floor. Prices: 1 lb., \$2.10; 2 lbs., \$3.10; 5 lbs., \$5.85; 10 lbs., \$10.15.

RAT and MOUSE EXTERMINATORS

K.R.O. A squill powder preparation. Not injurious to domestic animals or poultry. 2-oz. pkg., \$0.75; 8-oz. pkg., \$2.00.

KOMO RAT EXTERMINATOR. Harmless to humans, domestic animals and poultry. In liquid form to mix with bait. 2-oz. bottle, \$0.35; 4-oz. bottle, \$0.60.

RAT-DETH. A squill preparation put up in paper capsules. Will not harm humans, domestic animals or poultry. Package of 10 capsules, \$0.15.

RAT SNAP. Small biscuits containing poison. 1 oz., \$0.35; 3 ozs., \$0.65; 7½ ozs., \$1.25.

Proper Care of the Lawn

In making a new lawn the first step is a thorough preparation of the ground. It should be turned to a depth of six or eight inches. If the soil is of a heavy character there should be applied a dressing of humus, granulated peat moss or like material, and if there is indication of a sour or acid condition make an application of lime; these are then mulched in during the further working to break up the ground. Now roll it to get a firm foundation. Finally go over it several times in different directions with a steel-tooth rake until the soil is pulverized to a depth of two or three inches. During this pulverizing process is the time to work in a fertilizer; we recommend bone meal or sheep manure, or a mixture of the two. (Stable manure should never be used on lawns as it is a prolific source of weed seed). Do not permit any depressions from which water will not run off after rains.

The ground is now ready for the seed which should be sown as evenly as possible, selecting a time when there is little or no breeze stirring; tamp or roll lightly in order to "set" the seed and sprinkle moderately each day when this is not obtained from showers. Sow during March or April and in September or October at the rate of 6 Qts. per 1000 sq. ft., or 6 Bu. per acre.

Use the best seed obtainable. If a ready mixed seed is used do not let price be the determining factor; mixtures can be sold at a wide range of prices dependent on the grade of seed and the varieties used. Grass seeds have been a matter of careful study on our part for years. We carry in stock a number of varieties, carefully selected for purity and germination. Our grass seed mixtures are made up of kinds especially adapted to the purposes for which they are to be used.

The established lawn will need attention from time to time in order to keep a good sod. It should be rolled each Spring as soon as frost is out of the ground. The roots need food and this should be supplied by the application of a top dressing once or twice a year; bone meal or sheep manure, or a mixture of the two with the addition of 10% Sulphate of Ammonia makes a very excellent dressing, applying 30 lbs. per 1,000 sq. ft., or 1,200 lbs. per acre. Maintain a thick setting of grass by reseeding wherever thin places develop. This is one of the best ways to discourage the growth of weeds and obnoxious grasses.

A list of grass seeds and mixtures will be found on page 12, and on page 13 will be found fertilizers and soil conditioners listed.

SCHEDULE FOR TOP DRESSING ON LAWNS

| | 1000 Sq. Ft. | Per Acre | | 1000 Sq. Ft. | Per Acre |
|--------------------------|--------------|-----------|----------------------------|--------------|-----------|
| Bone Meal | 25 lbs. | 1000 lbs. | DuGro or Vigoro..... | 20 lbs. | 800 lbs. |
| Sulphate of Ammonia..... | 5 lbs. | 200 lbs. | Cottonseed Meal | 20 lbs. | 800 lbs. |
| Nitrate of Soda..... | 5 lbs. | 200 lbs. | Limoid (on lawns)..... | 25 lbs. | 1000 lbs. |
| Pulverized Manures | 25 lbs. | 1000 lbs. | Asparagus Salt on beds.... | 25 lbs. | 1000 lbs. |

Table— $\frac{1}{4}$ acre, 10,890 Sq. Ft.; 1 acre, 43,560 Sq. Ft.

